

LPC# 0310965121 Cook County  
Williams Pipeline Company - Franklin Park  
ILD 000673053  
SF/HRS

# Site Reassessment



Prepared by:  
Office of Site Evaluation  
Division of Remediation Management  
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## SIGNATURE PAGE

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**SITE REASSESSMENT**

**for:**

**WILLIAMS PIPELINE COMPANY  
FRANKLIN PARK, ILLINOIS**

**ILD 000673053**

**PREPARED BY:  
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
BUREAU OF LAND  
REMEDIAL PROJECT MANAGEMENT SECTION  
OFFICE OF SITE EVALUATION**

**September 1, 2020**

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## **1.0 Introduction**

On March 20, 2019, the Illinois Environmental Protection Agency's (IEPA) Office of Site Evaluation (OSE) was tasked by the Region V Offices of United States Environmental Protection Agency (U.S. EPA) to conduct a Site Reassessment without sampling at the former Williams Pipeline Company (ILD000673053), a refined petroleum storage facility and distribution terminal. The location of the former terminal is in the northwest portion of the Village of Franklin Park, Illinois in Cook County (Figure 1), approximately one quarter mile west of the intersection of Franklin Avenue and Mannheim Road (Figure 2).

The current owner of the property is Bridge Franklin Park (Bridge Development Partners, LLC). Bridge Franklin Park has owned the property since 2017, having purchased it from the former owner Magellan Pipeline Company. All storage tanks, piping, and structures were removed by Bridge Franklin Park after taking possession. Williams Pipeline Company had owned the property since 1966. In September 2003 Magellan Midstream Partners, LP submitted a RCRA Subtitle C Site Identification Form as notification of a company name change. The name was changed from Williams Pipeline Company to Magellan Pipeline Company, LLC. Company ownership remained the same. For this reassessment the company will remain being referred to as Williams.

U.S. EPA authorized a Site Reassessment to be conducted in order to determine the current status of the 48.0 acre site. The Site Reassessment addresses former petroleum product storage areas, the truck loading area, spill and/or leak areas, run-off routes, and potential human health and environmental concerns. This Site Reassessment will also consist of an evaluation of recent information to determine if further Superfund investigation is warranted. The reassessment will

supplement previous assessment work, and is not intended to replace previous CERCLA assessments.

The Site Reassessment is designed to provide necessary information that will help determine if the site qualifies for possible inclusion on the National Priorities List, or should receive a No Further Remedial Action Planned (NFRAP) designation. At the end of the reassessment process the author will recommend that the site may be given a NFRAP designation, receive further Superfund investigation, or be referred to another state or federal clean-up program. The Site Reassessment is performed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) commonly known as Superfund.

Williams Pipeline Company was placed on the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), now known as Superfund Enterprise Management System (SEMS) in February 1990. The IEPA has conducted a number of investigations at and around the terminal from 1983 through 2017. The site was originally investigated on May 27, 1974 due to citizens' complaints regarding an oily sheen and odors in Bensenville Ditch, also known as Silver Creek (in this report it will be indicated as Silver Creek), immediately adjacent to the Williams property. Franklin Park Police responding to the complaint found a Williams employee draining water and gasoline from a storage tank containment area. The complainants also voiced concerns that past activities at the facility may have resulted in contamination of soil, sediment, surface water, and groundwater on site and within the immediate area surrounding the terminal. No other complaints are known to have been referred to the IEPA or the Cook County Health Department regarding the facility. IEPA began investigating the facility in February 1983 to aid in the IEPA Permit Sections' review of the

facility for renewal of their NPDES Permit. IEPA also conducted a Preliminary Assessment (PA) of Williams on April 4, 1986 due to the historic nature of tank farm tank cleaning procedures and potential for soil, water, and air contamination, in addition to potential uncontrolled run-off from the facility. In 1987 U.S. EPA's contracted Field Inspection Team (FIT), Ecology and Environment (E & E), conducted a Site Inspection based on the PA's recommendation to further investigate the facility to gain necessary additional information in order to completely evaluate the facility and surrounding area. The SI also evaluated a November 6, 1986 release of gasoline near AST 272. Additional investigations were conducted at the property in 1996 and 1999 due to fuel releases reported from aboveground storage tank (AST) 272 and related recovery sump. Another investigation was conducted in 2004 due to a suspected leak of an inactive eight inch diameter isolated segment of an underground former gasoline return transfer line from AST 723 to the loading racks manifold. Work was subsequently conducted on site under IEPA's Site Remediation Program (SRP) resulting in issuance of a Comprehensive No Further Action Required (NFR) letter, issued June 17, 2019.

This Site Reassessment report will describe current site conditions and illustrate how or if the site has changed since the previous inspections. This report will contain a review of existing information to determine site history, current site conditions, and evaluate analytical data that may exist on the site. The Site Reassessment will also support emergency response or time-critical removal activities if it is determined that they are warranted.

## **2.0 Site Description and History**

### **2.1 Site Description**

The former Williams Pipeline Company was located in the suburban Chicago Village of Franklin Park, Illinois west of the intersection of Franklin Avenue and Mannheim Road in the northwest portion of the community. The former pipeline company is approximately 6700 feet (1.27 miles) directly west of the Franklin Park Village Hall. The site is situated in the south ½ of the southeast ¼ of Section 20, Township 40 North, Range 12 East, of the Third Principal Meridian in Cook County. Specifically, the property can be found at latitude 41.55300, longitude -87.50150 in Leyden Township, Cook County. This property is located within the Corporate Limits of the Village of Franklin Park.

The Williams Pipeline Company petroleum storage facility and transfer station no longer exists on the property. The property was sold in 2017. The current owner has, since purchase, remediated the property and constructed three large warehouse structures containing office space, industrial/storage space, and multiple tractor trailer docks (Figures 3 and 4). Also reference Section 3.0, Other Cleanup Activities, as well as Appendix D and Appendix F for further remedial information. The property is bounded on the north by Franklin Avenue, across which is the Canadian Pacific Railroad Intermodal Terminal – Bensenville Yard; on the east by two businesses, Reebie Storage and Moving warehouse on the north half of the east boundary, and Life Fitness (exercise equipment) on the south half; on the south by Belmont Avenue, across which are two (2) stand-alone structures associated with Life Fitness; and on the west by Silver Creek, an intermittent creek which trends north and south with a drainage flow to the south. Beyond the creek to the west is Midwest Can Company and Container Specialties, Inc, a

manufacturer and warehouse facility. In addition, residential neighborhoods are present to the southwest of the southwest property boundary, south, southeast, east, and northeast of the property. The nearest residence is approximately 120 feet southwest of the former Williams property line (Figure 3). Most of the residences near the facility have been present for over 75 years (Appendix A, 4-Mile Radius Map).

The facility property is located in the near west Chicago suburb of Franklin Park approximately 20 miles west of Lake Michigan where surficial terrain is fairly flat due to the area being underlain by lacustrine lake bottom sand and sediments of ancient Lake Chicago. Some areas near the facility location exhibit slightly rolling terrain due to various types of glacial action and deposition. The facility property is flat throughout with a slight slope toward the west, the drainage ditch at the western property perimeter being the only alteration in elevation. When the property was occupied by Williams Pipeline Company the majority of the facility surface was grass covered with concrete, asphalt, and gravel used for driveways, loading pads, and pathways for accessing storage tanks and tank containment berms (Figure 3 and 4). Currently, with the three Bridge Franklin Park warehouses and two retention ponds being built on the property, the ground surface is covered mainly by concrete foundation and flooring in the warehouses, concrete for semi-trailer truck dock areas, and asphalt for employee parking areas. Grass cover surrounds the retention ponds and remains established along the area adjacent to Silver Creek at the west property boundary. Along with grass cover, semi-mature to mature trees are growing from within the banks of Silver Creek.

As a petroleum pipeline storage and transfer company the facility consisted of two (2) primary structures, the office and the tank truck loading rack, two (2) small storage buildings, a fuel vapor flare stack, a rail line tank car loading area, and fifteen (15) aboveground petroleum



storage tanks: one – 2,500 barrel (bbl.), two – 74,000 bbl., four – 52,000 bbl., and eight – 25,000 bbl. Tanks are between 75 feet and 120 feet in diameter.

Land surface elevation along the east side of the property is 651 feet above mean sea level (MSL) and 642 feet above MSL along the west side of the property. Due to the nature of the former facility's ground surface being predominantly grass and soil much of the moisture through rain and snow generally percolated into the soil, any moisture contacting gravel and concrete would pool or flow into area drainage grates and enter the facility's sewer system. Moisture which did not percolate into the soil, evaporate, or enter the sewer system would flow toward the west due to the facility's slight slope in that direction. Surface run-off flowed toward the west side of the property and into Silver Creek. Silver Creek is not registered in the Illinois Department of Natural Resources (IDNR) Division of fisheries as a fishery, but does contain minnows and other aquatic life. Silver Creek at the property perimeter is classified as a riverine, intermittent, streambed, seasonally flooded (R4SBC), by the U.S. Department of the Interior, River Forest, Illinois, National Wetlands Inventory Map (Figure 5). The creek then flows south and southeast 5.16 miles where it enters the Des Plaines River. According to the River Forest National Wetlands Inventory Map, at the confluence of Silver Creek and the Des Plaines River, the Des Plaines is classified as a riverine, lower perennial, unconsolidated bottom, permanently flooded water body (R2UBH). The Des Plaines River flows approximately 20 miles to the Illinois River (Appendix B, 15-Mile In-Water Segment Map). The River Forest, Illinois, National Wetlands Inventory Map also indicates that the closest off-site wetland to the former pipeline terminal is a palustrine, forested, broad-leaved deciduous, temporarily flooded (POF1A) area located 2310 feet (0.44 miles) downstream of the confluence of Silver Creek and the Des

Plaines River. The wetland has a total measured perimeter distance of 1,293 feet (0.24 miles) and is 2.25 acres in size.

The former petroleum terminal property could only be accessed by vehicle or pedestrian traffic at the main gate location off of Franklin Avenue. The entire property was surrounded by eight foot tall chain-link fence topped with multiple strands of barbed wire. The access gate was also chain-link and barbed wire on a roller system for opening and closing.

## 2.2 Operational History

The property on which the former Williams Pipeline Company was located was unimproved until 1900 when one building was constructed. Between 1900 and 1928, the property was improved with railroad tracks and two additional buildings. The property became established as a tank farm and common carrier for refined petroleum between 1928 and 1931. Williams Pipeline Company purchased the terminal from Great Lakes Pipeline Company in 1966. At this writing it is believed that Great Lakes was the original owner of the property and terminal. Williams was sold to Magellan Midstream Partners, LP (property known as Magellan Pipeline Company) in September 2003. Magellan operated until September 2016, at which time operations were shut down. The tanks and piping were emptied at this time. Bridge Franklin Park then purchased the Magellan property in 2017.

As a petroleum terminal, refined petroleum products such as leaded gasoline, unleaded gasoline, #1 fuel oil, and #2 fuel oil were transferred from off-site to the terminal via a 12 inch fuel pipeline to the facilities Tank Distribution Manifold where they were then pumped to one of fifteen (15) above ground storage tanks. The products were transferred to tank trucks at the facility's tank truck loading rack and to rail tank cars at the rail tank car loading rack. When

loaded the trucks distributed the products to area businesses. Rail cars distributed products to further destinations. During fuel loading into trucks and rail cars, displacement vapors are produced. Instead of allowing the raw vapors to vent into the atmosphere they were collected at the truck and rail car fill ports, vented to a flare stack, and incinerated. Any spill occurring in this area or waste from releases on-site were drained into the company sewer and recovery system which drained to one of two oil-water gravity separators. The separator then discharged wastewater to Silver Creek via one of two NPDES permitted outfalls at the northwest corner of the facility. Recaptured fuel was blended back into appropriate storage tanks. All storage tanks were surrounded by earthen containment dikes/berms. Each containment area was provided with manually operated valves which allowed draining of accumulated water or spilled/leaked fuel to the sewer and recovery system. As part of the facility's operations, approximately every ten (10) years on a rotating basis, all storage tanks were cleaned. When the tanks were cleaned approximately ¼ inch to three (3) inches of leaded sludge was removed. Between the years 1935 and 1978 leaded tank bottom sludge was allegedly pumped into unlined excavated trenches within each storage tanks containment area and covered with backfill. After 1978 tank bottom sludge was transferred to holding tanks until off-site disposal was arranged. On June 5, 1981 Williams Pipeline Company submitted (filed), to the IEPA, a 103(c) notification for the disposal of leaded tank bottoms.

### 2.3 CERCLA Investigative History

Inspections conducted by IEPA and U.S. EPA's FIT contractors from 1983 through 2017 have taken place for NPDES permit renewals, site inspections, and compliance purposes. Past inspections had indicated soil surfaces on and off-site and in and along the creek areas appeared

visually satisfactory. Regulatory activities in the past have included a violation of the NPDES permit, and various fuel and fuel oil spills which were subsequently remediated, and six (6) recorded RCRA Subtitle C Site Identification Form notifications of regulated waste activity. These were submitted due to the small quantity generation of maintenance derived waste. There were no off-site releases resulting from spills/leaks. On April 4, 1986 the IEPA initiated a Preliminary Assessment of the Williams Pipeline Company. The PA was conducted due to various citizen complaints of sheens and odors on and around Silver Creek in previous years, and due to the historic nature of tank farm petroleum tank cleaning procedures resulting in tank bottom waste being buried on-site with the potential result of environmental contamination. On September 22, 1987 U.S. EPA's contracted Field Inspection Team (FIT), Ecology and Environment (E & E), conducted a Site Inspection at the facility. On July 30, 1998 a site reconnaissance was conducted by the IEPA Site Assessment Unit. No field investigation was conducted following this reconnaissance. The property was subsequently addressed further through IEPA's SRP (see Section 3.0 OCA of this report). In addition, in accordance with the CERCLA petroleum exclusion, CERCLA excludes petroleum from the definitions of hazardous substance and pollutant or contaminant.

### **3.0 Other Cleanup Authority Activities**

#### **3.1 Past Activities**

Besides CERCLA investigations, the Williams Pipeline Company facility, when it was occupying the property, was enrolled in the IEPA's Site Remediation Program (SRP) for BTEX and PNA on-site soil and groundwater contamination related to an unleaded gasoline release in 1986, and releases in 1996 and 1999. The facility was enrolled on September 10, 2004. The responses, investigations, and remediation at the property in 1986, 1996 and 1999 due to fuel releases reported from aboveground storage tank (AST) 272 and related recovery sump was conducted by environmental consulting firms contracted by the pipeline company (see Appendix A). Another investigation was conducted in 2004 due to a suspected leak of an inactive eight inch diameter isolated segment of an underground former gasoline return transfer line from AST 723 to the loading racks manifold (see Appendix A). Further responses, investigations, and remediations were conducted by environmental consulting firms contracted by the pipeline company from 2004 through 2017 due to various product releases on-site. These other releases at the facility occurred on September 24, 2006 (unleaded gasoline leak from a block valve), in February 2008 (potential contact water from AST 654 pipe flange), and on August 2, 2014 (release of diesel fuel from AST 715) (see Appendix A).

Due to the prohibitive costs to receive the intended No Further Action Required (NFR) Letter, Williams Pipeline Company, through their consultant Environmental Strategies Consulting, LLC, submitted a Notice to Withdraw letter to the IEPA to remove themselves from the SRP process on June 17, 2005. The letter also indicates that the company will continue voluntary groundwater monitoring of select monitoring wells on an annual basis in

accordance with its corporate monitoring program. After the property was sold in July 2017, the subject property was again enrolled in the IEPA SRP on July 16, 2017, with Bridge Development Partners, LLC being the Remediation Applicant (RA). Please see Appendix D - Remediation Action Completion Report (RACR), February 1, 2019, for a sequence of remediation site activities and results. Document submitted by Williams/Magellan Pipeline Company's contractor Environmental Services Group Limited (EGSL). See Appendix E – IEPA Site Remediation Program Summary, March 29, 2019 for summary of activities. See Appendix F – Supplement to the February 1, 2019 RACR document, submitted by EGSL on May 22, 2019. See Appendix G – IEPA approved Comprehensive No Further Action Required (NFR) letter, issued June 17, 2019.

### 3.2 Current Status

This 2020 CERCLA Site Reassessment (SR) completed by the IEPA's Office of Site Evaluation was conducted to determine if site conditions changed, and /or if any contaminants found during previous investigations remain on the property and if so, is the contamination at concentrations requiring further action. The SR investigation has found that site conditions have changed. The pipeline company is no longer occupying the property. All structures (buildings and storage tanks) have been razed, all under-ground and above-ground piping has been removed, and all concrete paving, asphalt paving, and gravel surfaces have been removed. All surface terrain associated with Williams has been altered by regrading by the current owner in preparation for the construction of the three slab-on-grade warehouses, associated parking facilities, and landscaping now occupying the property (Figures 6 through 10). Contaminated areas remaining on the property once the pipeline facility was dismantled were addressed by the

new owners, Bridge Development Partners, LLC, through their contractor Environmental Services Group Limited, as discussed above. Also see Appendix D and Appendix F for detailed remedial descriptions.

## **4.0 Source Discussion and Pathway Analysis**

### **4.1 Source Summary – Contaminated Soil on the former Williams Pipeline Company Property**

During the previous inspections conducted by IEPA, U.S.EPA contractors, and pipeline company contractors, samples of the various media were collected due to historic and current gasoline, fuel oil, and gasoline/fuel oil/water mixed spills/leaks. Records of occurrences date from 1974 to 2017. Information associated with each release is noted in text, laboratory analytical data, and figures in contractor reports within the Appendices of this report. Throughout the time period that Williams and subsequent owners occupied the property numerous soil and groundwater samples have been collected from locations surrounding each release area, in the overland drainage route leading to Silver Creek, and within the creek sediment if the release reached the creek. Included in the contractor reports attached as Appendices of this report are laboratory analysis of the samples and discussions of results of the analysis. Many of the samples revealed BTEX and PNA compounds that exceeded at least three times background concentrations in soil samples and various groundwater samples, as well as exceeding various TACO limits. The extent of soil/sediment contamination can be determined using numerous sample points collected over the course of property occupation by the pipeline companies. The drainage route of Silver Creek is classified by the U.S. Department of the Interior, River Forest, Illinois, National Wetlands Inventory Map as a 5.16 mile long intermittent stream. Soil samples were collected from the upper six inches of material to approximately five (5) feet bgs. in and near release locations and in the upper six inches in drainage ways. Samples within drainage ways were collected to determine if any contaminant had migrated to an overland flow route and entered Silver Creek and to determine if there was any contaminant that



may be attributable to the former activities and operations at the pipeline company. Also within the contractor reports are waste disposal manifests indicating amount and disposal destination of contaminated soil excavated from the former Williams property. Soil was excavated in conjunction with the removal of all above-ground and below-ground piping, dismantling and removal of all storage tanks, and dismantling and removal of all buildings and structures on the property. All contaminated soil was transported by Sunset Logistics, LLC trucking of Crystal Lake, Illinois and disposed at Winnebago Landfill Co., Rockford, Illinois. Between October 19, 2017 and November 16, 2017, 13,049.23 tons of contaminated soil was removed from the site and disposed.

#### 4.2 Groundwater

According to the Illinois State Geological Survey (ISGS) and the Illinois State Water Survey (ISWS) geology beneath the site consists of unconsolidated glacial drift deposits (clay, silt, and some sand) of the Carmi Member (approximately 25 feet thick) of the Equality Formation which, in the Chicago area, varies in thickness from approximately 50 feet to 150 feet. Beneath the surficial glacial deposits, and hydrologically connected, is the uniform, relatively impermeable Lake Plain glacial and lacustrine deposits consisting primarily of clayey and silty tills of the Wadsworth Member of the Wedron Formation. This formation is approximately 50 feet thick beneath the property and encountered at approximately 25-35 feet bgs. Beneath the Wedron Formation is the Silurian age carbonate upper bedrock formation consisting principally of beds of limestone, and dolomite which dip west-southwesterly at approximately 1.75 feet per mile. Bedrock below the property is contacted at approximately 95 – 105 feet bgs. The bedrock stratigraphy in the vicinity of the property is composed of a thick sequence of Paleozoic

sedimentary rock that generally consists of carbonate rocks of Silurian age in the shallower sequences.

The regional near-surface hydrostratigraphic units are present in two aquifers: a shallow aquifer in more permeable soil present in the glacial drift, and the deep aquifer in the underlying limestone and dolomite bedrock formations.

Municipal drinking water for the Village of Franklin Park is obtained from Lake Michigan via supply lines from the City of Chicago. All municipal water supply wells previously used by Franklin Park have been removed from service or sealed. The Village adopted a groundwater use ordinance prohibiting the use of groundwater as a potable water source and supply on November 9, 1998.

ISGS and ISWS well logs indicate that there are twenty (20) water wells (monitor wells, industrial use water wells, or private water wells) located within a 1.0 mile radius of the former Williams property. Well logs from within this distance indicate that limestone/dolomite bedrock was encountered at depths ranging from 75 to 105 feet bgs., east to west. Of these twenty (20) wells, one (1) is located to the west, five (5) to the southwest, south and southeast, one (1) to the east, nine (9) to the northwest and north, and four (4) to the northeast. Nine (9) of the twenty (20) wells are located within a 0.5 mile radius of the former Williams property. Eight (8) wells are located hydraulically upgradient to the northwest, north, and northeast, and one (1) well is located cross-gradient directly east of the property at Precise Casting Company. This well was installed in 1961 to a depth of 287 feet bgs. into limestone/dolomite bedrock. This well does not appear to be a potential receptor due to its cross-gradient location, age and completion in bedrock. The five (5) wells located southwest, south, and southeast, within the 1.0 mile radius of the property are located hydraulically downgradient. Depths of the wells range from 52 to 134

feet bgs. These wells were installed in unconsolidated glacial drift or bedrock between 1939 to 1945. The nearest downgradient well to the property is located approximately 2,050 feet to the southwest. It is unknown whether any of these twenty (20) wells were sampled by the mentioned contractors. There are no known active drinking water wells located within a 4.0 mile radius of the property.

Shallow groundwater at the property is generally identified between five (5) and ten (10) feet bgs. The potential risk of the hydrocarbons remaining in shallow groundwater to potential groundwater receptors is negligible due to the depth of the wells, the distance to the potential receptors, and the groundwater use ordinance prohibiting the use of groundwater as a potable water supply in Franklin Park. Due to the tight glacial till site soils the area of affected groundwater is contained on-site and there will be no direct exposure to groundwater through routine activities by facility personnel or nearby residents. Therefore, the groundwater ingestion route is incomplete and is not evaluated further.

According to the ISWS, one private groundwater well may exist within 1-mile of the former pipeline company. This groundwater well is approximately 2,050 feet (0.38 miles) southwest of the property in a residential neighborhood. Depth of the well is 104 feet deep, installed in December 1944. ISWS well logs indicate that within a four-mile radius of the former pipeline property there are approximately 230 water wells on record. These records indicate most private wells were drilled to and finished from 80 to 350 feet in depth. Some wells utilize(d) the shallow sand and gravel strata of the aquifer and others utilize(d) the deeper limestone bedrock formation. There are no known non-community public drinking water wells (restaurants, parks, gas stations, etc.) being utilized within the 4-mile radius of the facility.

#### 4.3 Surface Water

As mentioned previously, surface water drainage from the property is either collected into the property's stormwater system or flows toward the west side of the property where run-off enters Silver Creek, immediately adjacent to the property. Run-off then flows south and southeast within the intermittent creek, through residential areas generally skirting backyards, and through commercial areas. At various locations the creek is channeled below ground beneath streets and a few buildings and parking lots throughout the course of its route. The creek flows 5.16 miles southeast from the property to the confluence with the Des Plaines River. Because Silver Creek is designated as an intermittent stream by the National Wetlands Inventory, and the creek's distance of flow to a perennial stream is beyond 2.0 miles, there is no designated Probable Point of Entry (PPE) to surface water from the site. As noted in Section 2.1 of this report, Silver Creek is not registered in the IDNR Division of fisheries as a fishery, but does contain minnows and other aquatic life. The Des Plaines River is registered as a fishery.

Silver Creek was always visually inspected for the presence of petroleum products following each release and during subsequent site investigations. No petroleum product oily sheen or discoloration was observed during any of the investigations, or during any previous or subsequent daily inspections of the creek conducted by pipeline personnel. In addition, no petroleum compounds have been detected in monitoring wells that border the east side of Silver Creek along the western property boundary. As designated by the Federal Emergency Management Agency - Flood Insurance Rate Maps for Cook County, Village of Franklin Park, Map Number 17031C Panel 0359J and Panel 0367J, the western property boundary adjacent to Silver Creek's channel is designated as Zone AE, being in the 1% annual chance flood area (within the 100-year floodplain). The remainder of the property is designated as Zone X, being

outside the 0.2% annual chance flood area (outside the 500-year floodplain). ISWS indicates there are no surface water intakes within the 15-mile downstream route from the former pipeline facility.

#### 4.4 Soil Exposure

As mentioned, the Williams Pipeline Company petroleum storage facility and transfer station no longer exists on the property. The property was sold in 2017. The current owner has, since purchase, remediated the property and constructed three large warehouse structures containing office space, industrial/storage space, and multiple tractor trailer docks. The property's surface areas have been covered with concrete for building foundations, building floors, and truck loading dock ground surfaces. Asphalt covers driveway, and general vehicle parking areas surrounding the buildings. All landscaped areas have been covered with eighteen inches of clean soil placed over Mirafi 180N geotextile prior to flora landscaping.

Nine (9) soil gas vapor samples were obtained throughout the property. Specifically three (3) each from the locations of the three (3) proposed concrete building pad areas (north, central, and south areas of the pads). Samples were collected from four (4) feet below surface grade and above the saturated zone. Samples were submitted to the laboratory for VOC analysis.

Laboratory analytical results indicated no VOC compounds were detected above any Tier 1 Remediation Objectives. As such, vapor intrusion (indoor inhalation exposure route) has been addressed and 35 IAC 742.312 has been satisfied.

The property, as it currently exists, can be accessed by vehicle or pedestrian traffic at any location except along the western perimeter which is bordered by Silver Creek. No other fencing or barriers restrict access to the facility.

The area surrounding the former pipeline property is residential and industrial with an estimated population of 980 within one mile of the facility. The nearest residential structure is approximately 120 feet southwest of the southwest corner of the property in an established neighborhood of approximately 75 years. Other residential neighborhoods are present to the south, southeast, east, and northeast of the property.

There are no schools or daycare facilities within 200 feet of documented former contaminated soils.

#### 4.5 Air Route

The first known record of complaints of noxious odors emanating from the Williams Pipeline Company was on May 27, 1974. A citizen registered a complaint to the Franklin Park Police regarding an oily sheen and odors in Silver Creek immediately adjacent to the Williams property. Police responding to the complaint found a Williams employee draining water and gasoline from a storage tank containment area. While Williams Pipeline Company was still operating on the property there had been other petroleum odors noted by Williams employees, Williams contractors, and IEPA personnel when responding to various releases. After remediation there were no odors remaining. No formal air samples had been collected. Since the current owners, Bridge Development Partners, LLC, purchased the property, they have conducted remedial work eliminating or significantly reducing petroleum contaminants, obtained an IEPA issued Comprehensive NFR Letter, have regraded the property, constructed three warehouse buildings including concrete and asphalt parking areas, and have landscaped remaining open soil areas with grass and decorative plantings. In its current state as a warehouse

facility the property's ground surface is covered with the mentioned concrete, asphalt, and landscaping which eliminates almost all wind-blown particulates from the site.

## **5.0 Summary and Conclusions**

Site Investigations conducted at the Williams Pipeline property by IEPA, U.S.EPA contractors, and pipeline company contractors included visual inspections, interviews with company representatives and collection of samples of the various media due to historic and recent gasoline, fuel oil, and gasoline/fuel oil/water mixture on-site releases. Records of occurrences date from 1974 to 2017. Information associated with each release is noted in text, laboratory analytical data, and figures in contractor reports within the Appendices of this report. Throughout the time period that Williams and the subsequent owner occupied the property numerous soil and groundwater samples have been collected from locations surrounding each release area, in the overland drainage route leading to Silver Creek, and within the creek sediment if the release reached the creek. Included in the contractor reports attached as Appendices of this report are laboratory analysis of the samples and discussions of results of the analysis. Many of the samples revealed BTEX and PNA compounds that exceeded at least three times background concentrations in soil samples and various groundwater samples, as well as exceeding various TACO limits. The extent of soil/sediment contamination was determined using numerous sample points collected over the course of property occupation by the pipeline companies.

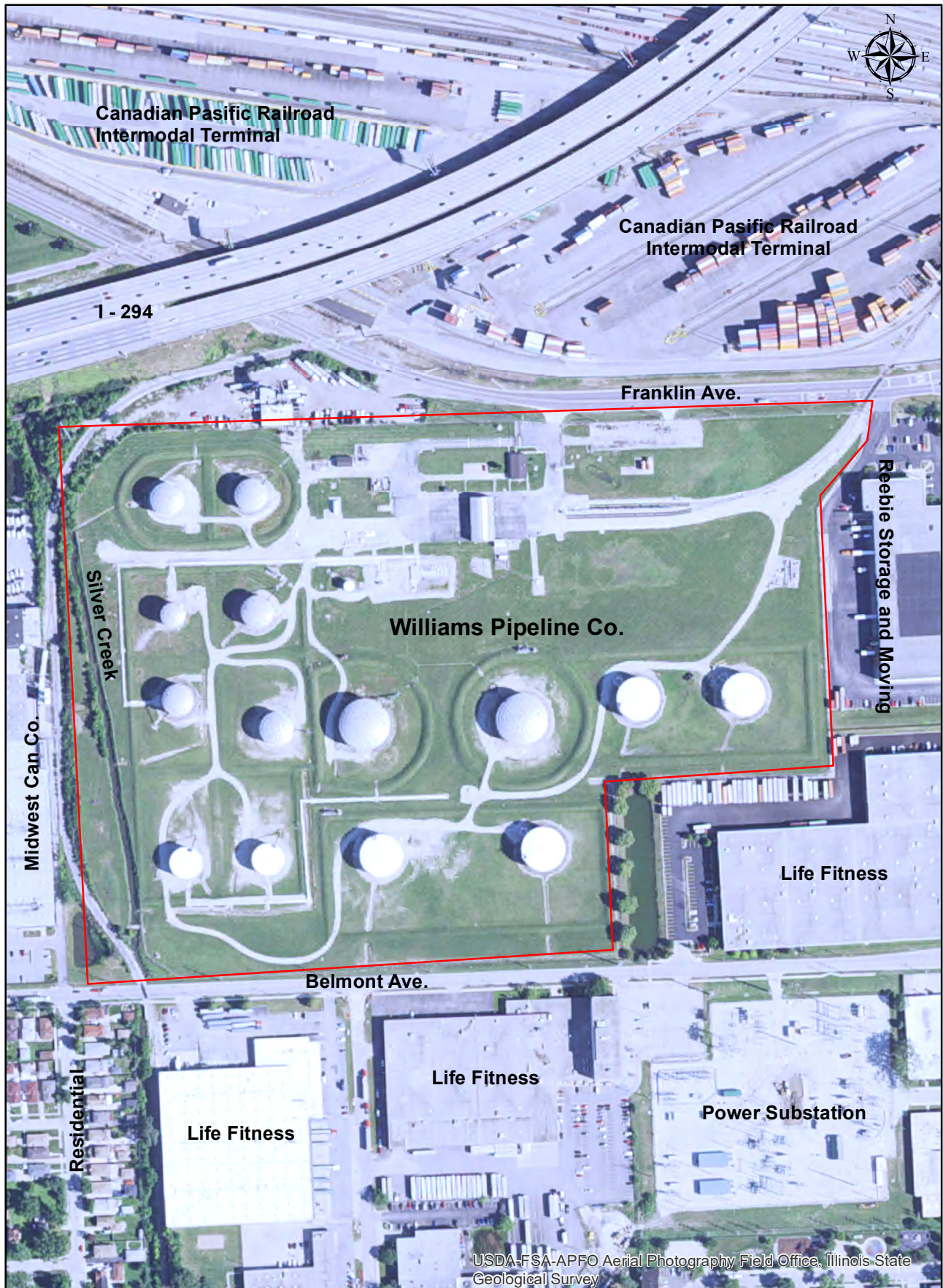
The pipeline property was sold in July 2017 to Bridge Development Partners, LC. Bridge then entered IEPA's Site Remediation Program at which time they conducted remedial work eliminating or significantly reducing petroleum contaminants, obtained an IEPA issued Comprehensive NFR Letter, have regraded the property, constructed three slab-on-grade



warehouse buildings including concrete and asphalt parking areas, and have landscaped remaining open soil areas with grass and decorative plantings.

## 6.0 REFERENCES

- Bureau of the Census, County and City Data Book, 2010 U.S. Census Data.
- Black & Veach Waste Science and Technology Corporation, Site Screening Inspection Implementation Plan for Mendon Farm Center, October 10, 1991.
- Ecology and Environment, Inc., Site Inspection Report, September 23, 1987
- Environmental Group Services Limited, Remedial Action Completion Report, February 1, 2019.
- Environmental Strategies Consulting, LLC, Site Investigation, Remediation Objectives, Remedial Action Plan & Completion Report, September 7, 2004.
- Illinois Environmental Protection Agency, Preliminary Assessment, April 4, 1986.
- Suter, Max, Preliminary Report on Groundwater Resources of the Chicago Region, Illinois, Illinois State Water Survey, 1959.
- Weaver Consultants Group North Central, LLC, Limited Phase II Environmental Site Assessment Report, May 5, 2017.
- Willman, H. B., et al., Handbook of Illinois Stratigraphy, Bulletin 95, Illinois State Geological Survey, 1975.
- Zeizel, Arthur J., Groundwater Resources of DuPage County, Illinois, Illinois State Water Survey, 1962.
- State of Illinois, Department of Energy and Natural Resources, 1988, Tioga, Illinois, 7.5 Minute Topographic Map.
- State of Illinois, Department of Energy and Natural Resources, 1968, Photorevised 1975, Scales Mound West, Illinois, 7.5 Minute Topographic Map.
- State of Illinois, Department of Energy and Natural Resources, 1968, Hanover, Illinois, 7.5 Minute Topographic Map.
- State of Illinois, Department of Energy and Natural Resources, 1988, Mendon, Illinois, 7.5 Minute Topographic Map.



**Williams Pipeline Company and Surrounding Area Map**

Figure 3



Williams Pipeline Company

Site Location Map

Figure 1





Site Area Map

Figure 2

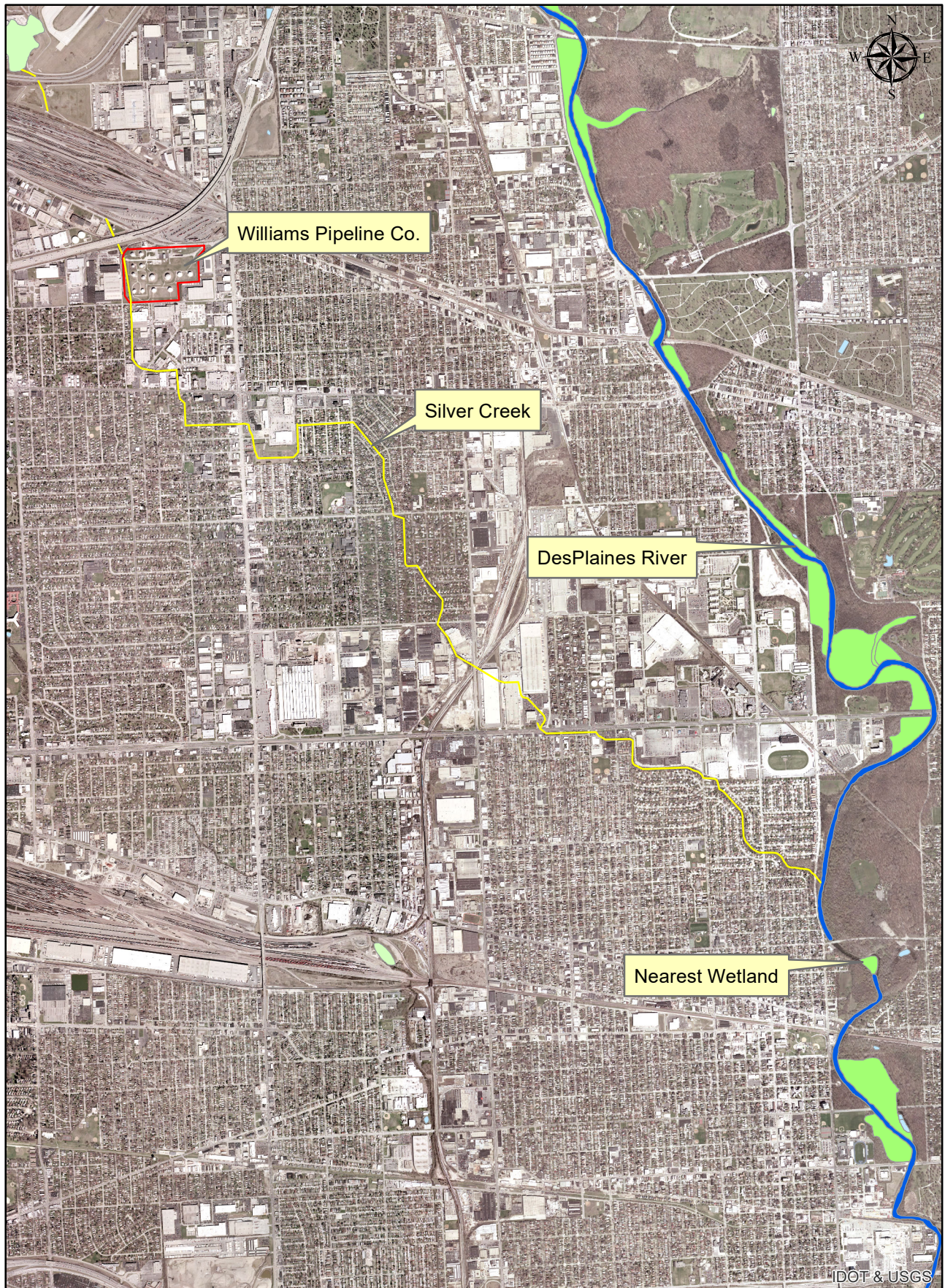




**Williams Pipeline Company Property Map**

Figure 4





**Williams Pipeline Company**  
Wetland Map  
Figure 5





Williams Pipeline Company  
Figure 6  
Aerial Photograph 4-7-17





Williams Pipeline Company  
Figure 7  
Aerial Photograph 3-17-18





Williams Pipeline Company

Figure 8

Aerial Photograph 5-23-18





Williams Pipeline Company

Figure 9

Aerial Photograph 10-15-18





Williams Pipeline Company  
Figure 10  
Aerial Photograph 10-18-19

## **FIGURES**

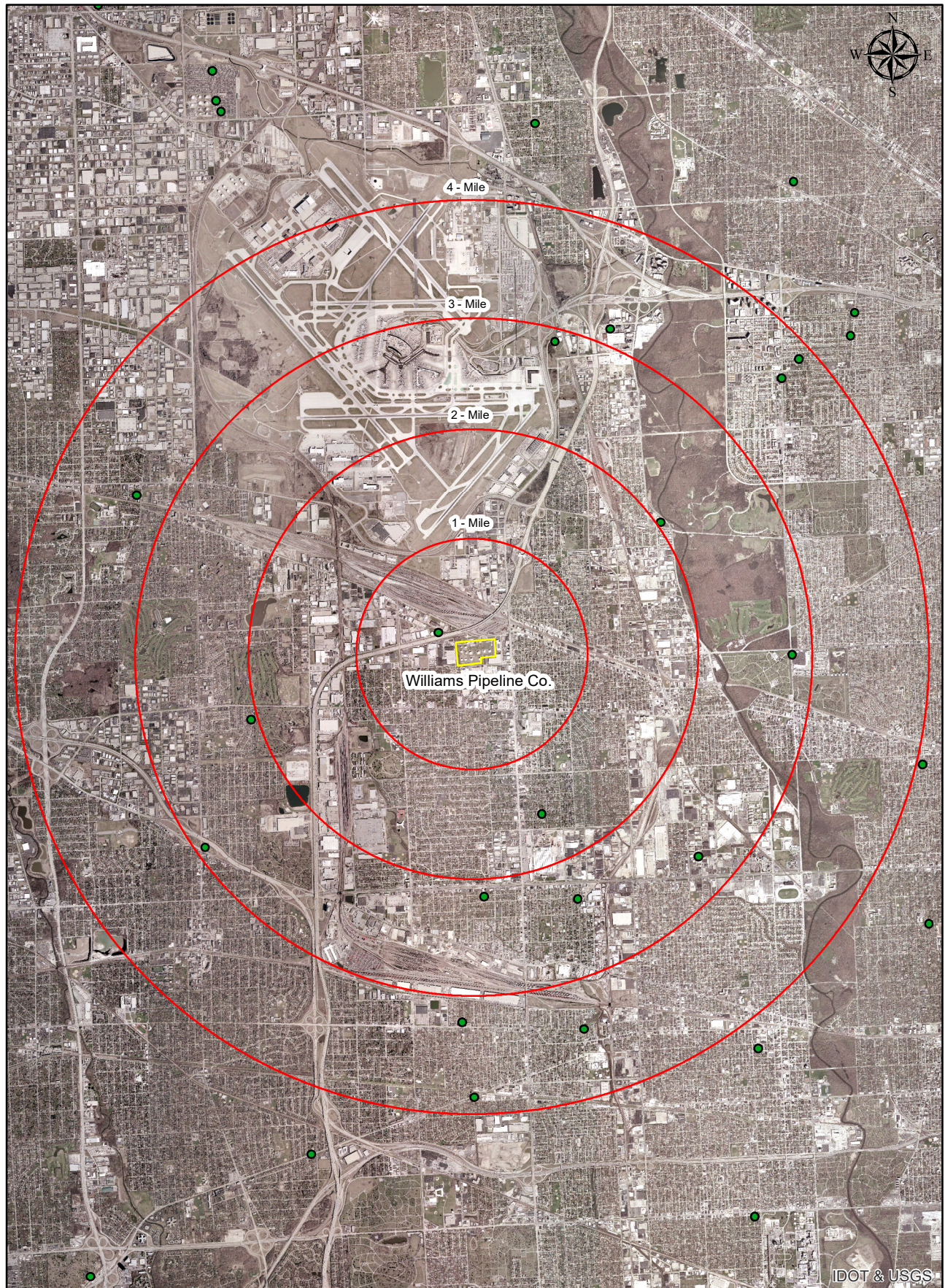
## **APPENDICIES**

## **APPENDIX A**

### **4 - Mile Radius Map**



## Appendix A



Williams Pipeline Company  
4 - Mile Radius Map



## **APPENDIX B**

### **15 – Mile In-Water Segment Map**



## Appendix B

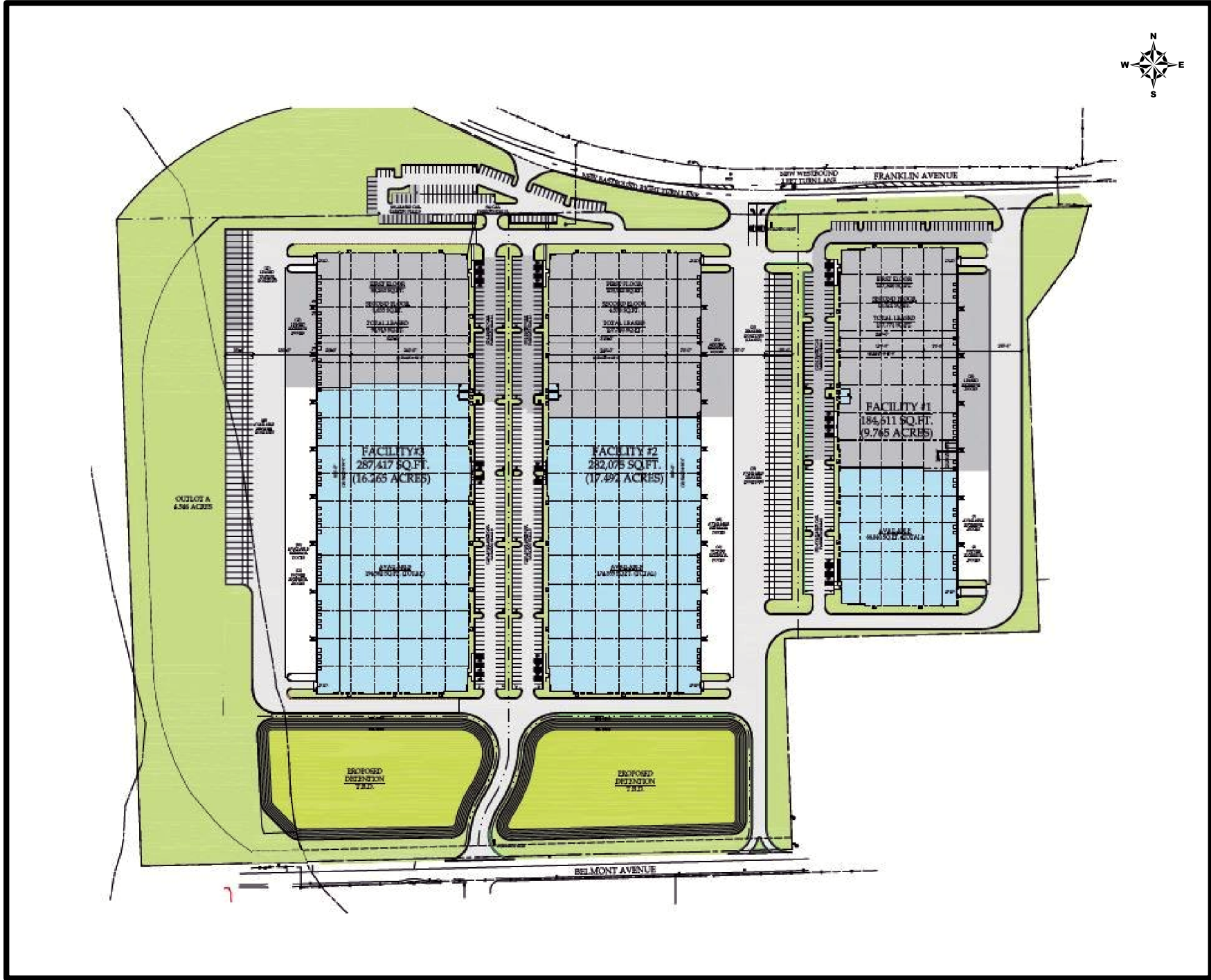


**Williams Pipeline Company**  
15- Mile In-Water Segment Map



## **APPENDIX C**

### Photographs of Site



Bridge Franklin Park Development Plan  
Photo 1



Aerial Of Bridge FPD As Built 2020

Photo 2





Interior Of Bridge FPD Buildings

Photo 3





Interior of Bridge FPD Building - North to South

Photo 4

## **APPENDIX D**

Remediation Action Completion Report (RACR), February 1, 2019



**FILE COPY****Illinois Environmental Protection Agency**

19-68700

0310965121-Cook  
Franklin Park/Magellan Pipeline  
SR/TECH

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

**Site Remediation Program Form (DRM-2)  
(To be Submitted with all Plans and Reports)**

You may complete this form online, save a copy, print, sign and mail it to the address above

**I. Site Identification:**

Site Name: Magellan Pipeline Chicago Terminal

Street Address: 10601 Franklin Avenue P.O. Box: \_\_\_\_\_

City: Franklin Park State: IL Zip Code: 60131 Phone: 847 531 3980

Illinois Inventory ID Number: 0310965121 IEMA Incident Number: \_\_\_\_\_

IEPA - DIVISION OF RECORDS MANAGEMENT  
RELEASABLE  
MAR 25 2019

REVIEWER: JMR

**II. Remediation Applicant:**

Applicant's Name: Mr./Ms. Mr. Mark Houser

Company: Bridge Development Partners

Street Address: 1000 Irving Park Rd. Suite 150 P.O. Box: \_\_\_\_\_

City: Itasca State: IL Zip Code: 60143 Phone: 847 531 3980

Email Address: mhouser@bridgedev.com

I hereby request that the Illinois EPA review and evaluate the attached project documents in accordance with the terms and conditions of the Environmental Protection Act (415 ILCS 5), implementing regulations, and the review and evaluation services agreement.

Remediation Applicant's Signature: [Signature] Date: 1/28/19

**III. Contact Person for Remediation Applicant:**

Contact's Name: Mr./Ms. Mr. Mark Houser

Company: Bridge Development Partners

Street Address: 1000 Irving park Rd. P.O. Box: \_\_\_\_\_

City: Itasca State: IL Zip Code: 60143 Phone: 847 531 3980

Email Address: mhouser@bridgedev.com

**Contact Person for Consultant:**

Contact's Name: Mr./Ms. Mr. Bill Lennon

Company: EGSL

Street Address: 557 West Polk Street, Suite 201 P.O. Box: \_\_\_\_\_

City: Chicago State: IL Zip Code: 60607 Phone: (312)447-1200

Email Address: bill@EGSL.com

**IV. Review & Evaluation Licensed Professional Engineer or Geologist ("RELPEG"), if applicable:**

RELPEG's Name: Mr./Ms. Mr. \_\_\_\_\_

Company: \_\_\_\_\_

Street Address: \_\_\_\_\_ P.O. Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

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FEB - 7 2019

IEPA/BOL

**V. Project Documents Being Submitted:**

<b>Document Title:</b> <u>RACR</u>	<b>Date of Preparation of Plan or Report:</b> <u>2/1/19</u>
<b>Prepared by:</b> <u>EGSL</u>	<b>Prepared For:</b> <u>IEPA</u>
<b>Type of Document Submitted:</b>	
<input type="checkbox"/> Site Investigation Report - Comprehensive	<input type="checkbox"/> Sampling Plan
<input type="checkbox"/> Site Investigation Report - Focused	<input type="checkbox"/> Health and Safety Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 1 or 2	<input type="checkbox"/> Community Relations Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 3	<input type="checkbox"/> Risk Assessment
<input type="checkbox"/> Remedial Action Plan	<input type="checkbox"/> Containment Fate & Transport Modeling
<input checked="" type="checkbox"/> Remedial Action Completion Report	<input type="checkbox"/> Other: _____

<b>Document Title:</b> _____	<b>Date of Preparation of Plan or Report:</b> _____
<b>Prepared by:</b> _____	<b>Prepared For:</b> _____
<b>Type of Document Submitted:</b>	
<input type="checkbox"/> Site Investigation Report - Comprehensive	<input type="checkbox"/> Sampling Plan
<input type="checkbox"/> Site Investigation Report - Focused	<input type="checkbox"/> Health and Safety Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 1 or 2	<input type="checkbox"/> Community Relations Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 3	<input type="checkbox"/> Risk Assessment
<input type="checkbox"/> Remedial Action Plan	<input type="checkbox"/> Containment Fate & Transport Modeling
<input type="checkbox"/> Remedial Action Completion Report	<input type="checkbox"/> Other: _____

<b>Document Title:</b> _____	<b>Date of Preparation of Plan or Report:</b> _____
<b>Prepared by:</b> _____	<b>Prepared For:</b> _____
<b>Type of Document Submitted:</b>	
<input type="checkbox"/> Site Investigation Report - Comprehensive	<input type="checkbox"/> Sampling Plan
<input type="checkbox"/> Site Investigation Report - Focused	<input type="checkbox"/> Health and Safety Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 1 or 2	<input type="checkbox"/> Community Relations Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 3	<input type="checkbox"/> Risk Assessment
<input type="checkbox"/> Remedial Action Plan	<input type="checkbox"/> Containment Fate & Transport Modeling
<input type="checkbox"/> Remedial Action Completion Report	<input type="checkbox"/> Other: _____

**VI. Professional Engineer's or Geologist's Seal or Stamp:**

I attest that all site investigations or remedial activities that are subject of this plan(s) or report(s) were performed under my direction, and this document and all attachments were prepared under my direction or reviewed by me, and to the best of my knowledge and belief, the work described in the plan and report has been designed or completed in accordance with the Illinois Environmental Protection Act (415 ILCS 5), 35 Ill. Adm. Code 740, and generally accepted engineering practices or principles of professional geology, and the information presented is accurate and complete.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 3 Felony. A second or subsequent offense after conviction is a Class 2 felony. (415 ILCS 5/44(f))

Engineer's or Geologist's Name: Harold A. Smith, P.E.

Company: EGSL

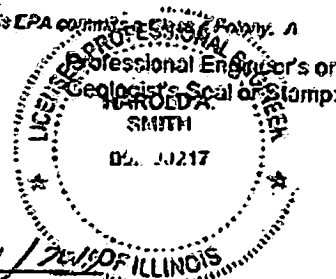
Registration Number: 062-030217

Phone: (312)447-1200

License Expiration Date: 11/30/2019

Signature: Harold A. Smith

Date: 1/31/2019



Note: The authority of a Licensed Professional Geologist to certify documents submitted to the Illinois Environmental Protection Agency for review and evaluation pursuant to Title XVII of the Environmental Protection Act is limited to Site Investigation Reports (415 ILCS 58.7(f), as amended by P. A. 92-0735, effective July 25, 2002). A Licensed Professional Geologist cannot certify Remediation Objectives Reports, Remedial Action Plans or Remedial Action Completion Reports.

All information submitted is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(3) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines. The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/51 - 5/51.2 of the Environmental Protection Act and regulations promulgated thereunder. Disclosure of this information is required as a condition of participation in the Site Remediation Program. Failure to do so may prevent this form from being processed and could result in your plan(s) or report(s) being rejected. This form has been approved by the Forms Management Center.



**FILE CO.**

557 West Polk Street, Suite 201  
Chicago, IL 60607  
312.447.1200 p  
312.447.0922 f  
www.egsl.com w

## Remedial Action Completion Report

LPC 0310965121—Cook County  
Franklin Park/Magellan Pipeline  
(10601 Franklin Avenue, Franklin Park, Illinois 60131)  
Site Remediation Program/Technical Reports

EGSL Project No. 1703287  
Date: February 1, 2019



Prepared for:  
Illinois Environmental  
Protection Agency  
Site Remediation Program  
1021 North Grand Avenue East  
Springfield, Illinois 62702

On Behalf Of:  
Mr. Mark Houser  
Bridge Development Partners, LLC  
1000 Irving Park Road, Ste. 150  
Itasca, Illinois 60143

Prepared by:  
Environmental Group Services,  
Ltd.  
557 West Polk Street – Suite 201  
Chicago, Illinois 60607

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APPENDIX F – INSTITUTIONAL CONTROLS DOCUMENTATION  
APPENDIX G – FINAL SITE BASE MAP, PIN & LEGAL DESCRIPTION  
APPENDIX H – LANDSCAPING TCL ANALYTICAL DATA  
APPENDIX I – IEPA JANUARY 18, 2019 COMMENT LETTER AND REQUESTED MAPS  
APPENDIX J – MIRAFI® 180N SPEC SHEET



## 1. EXECUTIVE SUMMARY

---

Environmental Group Services Limited (EGSL) has been retained by *Bridge Development Partners, LLC* to provide environmental consulting services for the property located at 10601 Franklin Avenue, Franklin Park, Cook County, Illinois, also known as the Remediation Site (RS). The Remediation Applicant (RA) is *Bridge Development Partners, LLC* and the point of contact is Mark Houser. Prior to EGSL retaining the RS, a Site Investigation, Remediation Objectives, Remedial Action Plan and Completion Report was prepared by Environmental Strategies Consulting, LLC (ESC), September 7, 2004 and a Limited Phase II Environmental Site Assessment conducted by Weaver Consultants Group North Central, LLC (WCG) on March 30 through April 11, 2017 (Limited Phase II Environmental Site Assessment Report, 10601 Franklin Avenue, Franklin Park, Illinois, May 5, 2017). The site was enrolled into the Illinois Environmental Protection Agency (IEPA) Site Remediation Program (SRP) on July 26, 2017 to obtain a Comprehensive No Further Remediation (NFR) Letter, in accordance with the regulations set forth in 35 IAC 740 (Site Remediation Program (SRP)) and 35 IAC 742 (Tiered Approach to Corrective Action Objectives (TACO)).

The Subject Property was previously occupied by Magellan Pipeline Company. The Property was comprised of approximately 48.065 acres of land improved with one approximately 2,240 square-foot one-story office building, one approximately 6,000 square-foot loading rack building, one approximately 800 square-foot garage building, and twenty (20) aboveground storage tanks (ASTs) ranging in size from approximately 500 to 2,300,000 gallons. The Property was also improved with underground and aboveground pipelines and gravel roads throughout the Property. Railroad tracks are present from the northern to northeastern portion of the Property, but are no longer in use. Asphalt-paved areas are located on the northern portion of the Property in the vicinity of the office building and loading rack building. The areas around the ASTs are grass-covered and include earthen berms as secondary containment areas. The Property was used as a tank farm, storing a variety of petroleum products including distillate, gasoline, and transmix, since at least 1931. In their Phase I ESA, WCG stated that they observed a creek located on the western portion of the Property. This creek was identified as Silver Creek and runs north to south through the western portion of the Property. (A Site Base Map is included in Appendix A, Figure 1).

An environmental investigation and remediation activities were conducted by ESC in 1999 at the Magellan Terminal (Terminal) in response to mixtures of gasoline, diesel fuel, and water that were released from a sump in incidents occurring in March and August 1999 (IEPA Release Incident Numbers: 991878 and 990556); and a release of unleaded gasoline in 1986. In response to these releases, 19 monitoring wells were installed and soil excavation and plume stability monitoring remedial activities were performed. On April 30, 1999, ESC collected soil samples from nine soil borings (P-1 through P-9) to evaluate the potential presence of petroleum hydrocarbons in soil due to the March 1999 release. Two additional soil samples were collected on August 18, 1999 after six additional inches of soil were excavated from the area. On August 12, 1999, after a release of 90 gallons of gasoline and diesel fuel, the affected soil was excavated from the release area. The depth of the excavation varied from approximately 3 to 8 feet below grade and included the sump area and area to the southwest. Both near surface soils affected by the release and deeper soils that had been affected by historical activities in the area (assumed to be the 1986 release) were removed. Four soil samples (B-1 through B-4), were collected from the base of the excavation and five soil samples, SW-1 through SW-5, were collected from the excavation side walls to confirm that the affected soil had been removed or to evaluate the concentrations of hydrocarbons remaining in soil that could not be removed. All of the soil samples collected were analyzed for *Benzene, Toluene, Ethylbenzene*



and *Xylenes (BTEX)* and *Polynuclear Aromatic Hydrocarbons (PNAs)*.

The analytical results for soil samples collected by ESC were compared to baseline cleanup objectives presented in Part 742 (Tiered Approach to Corrective Action Objectives (TACO)) of the Illinois Administrative Code (IAC) Tier 1 Class II Soil Remediation Objectives (SROs) for Industrial/Commercial properties. It was concluded that *Benzene*, *Toluene*, and *Ethylbenzene* exceeded the Tier 1 SROs in some soil samples. These compounds exceeded the remediation objectives for Industrial/Commercial Inhalation, Construction Worker Inhalation exposure pathways and exceeded the Class II Soil Component of the groundwater exposure pathway. *Naphthalene* was the only PNA that exceeded the Tier 1 SROs for the Construction Worker Inhalation exposure route.

According to ESC, the monitoring well network at the Terminal consists of 16 monitoring wells; MW-1 through MW-8, MW-10, MW-12 through MW-14, and MW-16 through MW-19. Monitoring wells MW-1 through MW-7 were installed in 1987 in response to the November 1986 release that occurred near Tank 272. By June 1988, a perimeter groundwater monitoring network was established; which, included the installation of MW-8 through MW-18. An additional monitoring well, MW-19, was installed approximately 10 feet southwest (downgradient) of the product recovery sump/separator system to evaluate subsurface conditions after the 1999 petroleum release incidents. Monitoring wells MW-9, MW-11, and MW-15 were abandoned because petroleum compounds have never been detected in groundwater samples collected from these wells. Groundwater samples collected by ESC were analyzed for *BTEX* and *Hexane*. *BTEX* was detected in groundwater, but only *Benzene* was detected at concentrations exceeding its Class II Groundwater Remediation Objective (GRO). The criterion for *Benzene* was exceeded in recent groundwater samples from MW-1, MW-6, MW-7, and MW-19. The historical data indicates that benzene concentrations have also exceeded the Tier 1 GRO in previous samples from these wells. Therefore, ESC concluded that *Benzene* is the only constituent of concern for groundwater and that plume stability monitoring has shown that *Benzene* concentrations are stable to decreasing, and affected groundwater has not migrated offsite.

Based upon the assessments described in the WCG Phase I ESA report it was revealed that there was no evidence of *recognized environmental conditions* (RECs) in connection with the Property, except for the following:

- REC-1: The potential presence of surface and subsurface impacts associated with the historical use of the Property as a petroleum bulk storage facility with associated ASTs, pipelines, and releases.
- REC-2: The potential presence of surface and subsurface impacts associated with the historical presence of a UST and associated LUST incident.
- REC-3: The known and potential presence of surface and subsurface impacts associated with a November 6, 1986 release of gasoline near Tank 272, a March 8, 1999 release of gasoline, diesel fuel, and water mixture from the product recovery sump system (Incident No. 990556), and an August 10, 1999 release of gasoline and diesel fuel mixture from the discharge line of the water separator sump to Tank No. 654 (Incident No. 991878).
- REC-4: The presence of surface and subsurface impacts associated with the October 22, 1999 spreading of approximately 225 yards of petroleum-impacted soil excavated from the 1999 release areas. Area was approximately 100 feet by 165 feet with soil thickness ranging from three to six inches.

- REC-5: The potential presence of subsurface impacts associated with potential unknown fill materials in the former water feature that transected the northwest corner of the Property.
- REC-6: The potential presence of subsurface impacts associated with the northern adjoining properties used as a railroad yard, automotive storage and machinshop.
- REC-7: The potential and known presence of subsurface impacts associated with the eastern, western, and southern adjoining properties whose industrial operations include plastics products manufacturing and industrial package manufacturing.

Based upon the assessments described in the WCG Phase I ESA report it was revealed that there was no evidence of *controlled recognized environmental conditions* (CRECs) in connection with the Property, except for the following:

- CREC-1: The known presence of surface and subsurface impacts associated with the August 2, 2014 release of approximately 588 gallons of diesel fuel from Tank No. 715 (Incident No. 20140897) and the presence of an Environmental Land Use Control.

Based on the results of the WCG Phase I ESA, a limited Phase II ESA was conducted by WCG to assess potential subsurface environmental conditions associated with the RECs identified above. The Scope of Work for the Limited Phase II ESA generally included the advancement of soil probes and hand augers and the installation of temporary groundwater monitoring wells for soil and groundwater sample collection. Sediment samples were also collected from the on-site creek and groundwater samples were collected from existing permanent monitoring wells.

On March 30 to April 11, 2017, a total of seventy-four (74) soil probes and four hand augers were advanced, two temporary groundwater monitoring wells installed, two sediment samples were collected, and twelve (12) existing permanent monitoring wells were sampled (see **Appendix A, Figures 2, 2A, and 3** for approximate locations of the soil probes, hand augers, sediment samples and monitoring wells). Soil samples collected from each probe and hand auger were field screened using a photoionization detector (PID). In addition, soil samples were screened for the presence of visual and olfactory indications of impacts. Soil and sediment samples collected intermittently from March 30 to April 10, 2017 were submitted for laboratory analysis of contaminants of concern (COCs) related to the above RECs. These COCs included *Target Compound List (TCL)* parameters, *total petroleum hydrocarbons (TPH)*, *Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)*, *Methyl tert-butyl ether (MTBE)*, Resource Conservation and Recovery Act (RCRA) *Metals*, Toxicity Characteristic Leaching Procedure (TCLP) *Metals*, Synthetic Precipitation Leaching Procedure (SPLP) *Metals*, and pH. In addition, select soil samples were submitted for laboratory analysis of *Fraction of Organic Carbon (Foc)*. Groundwater samples collected on April 10 and April 11, 2017 were also submitted for laboratory analysis of TCL parameters, *BTEX*, *MTBE*, *PNAs*, and *RCRA Metals* (total and dissolved).

Soil and sediment analytical results were compared to Illinois Environmental Protection Agency (IEPA) TAC) Tier 1 SROs for Industrial/Commercial Properties. Samples were also compared to the soil Background Concentrations within Metropolitan Statistical Areas (Backgrounds) for PNAs and inorganics. Groundwater analytical results were compared to IEPA TACO Tier 1 Groundwater Remediation Objectives (GROs) for Class I and Class II Groundwater and GROs for the Indoor Inhalation Exposure Route. In addition, Remediation Objectives (ROs) for COCs not listed within TACO were calculated using toxicity data and chemical/physical data listed in the USEPA Regional Screening Level (RSL) summary tables and



calculations listed in TACO.

According to the analytical results, soil samples exhibited concentrations below Tier 1 SROs for Industrial/Commercial Properties, with the exception of the following:

- MG-SB-GP-14/2-4', MG-SB-GP-59/2-4', MG-SB-GP-65/4-6', and MG-SB-GP-66/3-5' exhibited *Benzene, Naphthalene, and/or Ethylbenzene* concentrations in excess of the Soil Inhalation Exposure Route;
- MG-SB-GP-14/2-4', MG-SB-GP-59/2-4', MG-SB-GP-65/4-6', and MG-SB-GP-66/3-5' exhibited *Benzene, Ethylbenzene, Xylenes, Naphthalene, and/or Mercury* concentrations in excess of the Soil Inhalation Exposure Route for the Construction Worker Scenario;
- MG-SB-GP-14/2-4' and MG-SB-GP-66/3-5' exhibited *TPH* concentrations in excess of the TACO default soil attenuation capacity for soils below 1 meter;
- MG-SB-GP-66/3-5' exhibited a *Xylene* concentration in excess of the TACO Soil Saturation Limits ( $C_{sat}$ ) for Chemicals Whose Melting Point is Less Than 30° C (TACO 742.APPENDIX A) for the SCGIR;
- Twenty-four (24) soil samples and two (sediment samples) exhibited *Arsenic* concentrations in excess of the Soil Ingestion Exposure Route and Backgrounds within MSAs;
- MG-SB-GP-14/2-4', MG-SB-GP-25/2-4', MG-SB-GP-29/1-3', MG-SB-GP-32/2-4, MG-SB-GP-59/2-4', MG-SB-GP-60/6-8', MG-SB-GP-62/4-6', and MG-SB-GP-63/0-2', MG-SB-GP-65/4-6', and MG-SB-GP-66/3-5' exhibited *Benzene* concentrations in excess of the Soil Component of the Groundwater Ingestion Exposure Route;
- MG-SB-GP-14/2-4', MG-SB-GP-59/2-4', MG-SB-GP-65/4-6' and MG-SB-GP-66/3-5' exhibited *Ethylbenzene* concentrations in excess of the Soil Component of the Groundwater Ingestion Exposure Route;
- MG-SB-GP-14/2-4', MG-SB-GP-59/2-4' and MG-SB-GP-66/3-5 exhibited *Xylene* concentrations in excess of the Soil Component of the Groundwater Ingestion Exposure Route;
- MG-SB-GP-64 /13-15' exhibited *Mercury* concentrations in excess of the Soil Component of the Groundwater Ingestion Exposure Route;
- MG-SB-GP-73/2-4' exhibited *1,1,2,2-tetrachloroethane* concentrations in excess of the Soil Component of the Groundwater Ingestion Exposure Route;
- MG-SB-GP-14/2-4', MG-SB-GP-32/2-4, MG-SB-GP-59/2-4', MG-SB-GP-61/5-7', and MG-SB-GP-66/3-5 exhibited *2-Methylnaphthalene* concentrations in excess of the Soil Component of the Groundwater Ingestion Exposure Route.

In addition, multiple soil samples exhibited concentrations of *Chromium, Cobalt, Iron and Manganese* that did not achieve at least one of the Tier 1 Class II SROs (Concentrations of Inorganic Chemicals in Background Soils for Counties within Metropolitan Statistical Areas, pH-Specific concentrations and TCLP concentrations) for the SCGIR. The soil analytical results either comprised of concentrations that exceeded the background & pH specific Tier 1 SROs and there was no SPLP/TCLP analysis performed or the background Tier 1 SRO was exceeded, there were no pH-specific values available and, no SPLP/TCLP analysis was completed.

According to the WCG analytical results, groundwater samples exhibited concentrations below Tier 1 Class II GROs, with the exception of the following:

- MG-GW-TW-02 and MG-GW-MW-19 exhibited *Benzene* concentrations in excess of the Groundwater Ingestion Exposure Route and Indoor Inhalation Exposure Route;
- MG-GW-TW-01 exhibited *Benzene* concentrations in excess of the Groundwater Ingestion Exposure Route; and
- MG-GW-TW-01, MG-GW-TW-02 and MG-GW-MW-19 exhibited dissolved *Iron* concentrations in excess of the Groundwater Ingestion Exposure Route.

The primary fate and transport of contaminants in the subsurface would be largely controlled by the migration of potentially contaminated groundwater encountered at the site.

Based on the results of the Limited Phase II ESA, WCG's following findings and conclusions (concurred by EGSL) are presented below:

1. Future development does not appear to be inhibited based on the analytical results.
2. Impacts may be address through a risk based remedial strategy and/or active remediation.
3. A construction worker safety precaution may be applied to the Property to address benzene, ethylbenzene, xylenes, naphthalene, and mercury concentrations in excess of the Soil Inhalation Exposure Route for the Construction Worker Scenario.
4. As a groundwater use ordinance is not currently established for the Village of Franklin Park, a groundwater use restriction may be applied to the Property prohibiting the installation or use of potable groundwater wells to mitigate exposure to shallow groundwater.
5. Should redevelopment of the Property occur, consideration should be given to special management requirements that may apply to excavation of soils for Property grading, foundations and/or utility installations.
6. Owing to the historical commercial use of the Property, should redevelopment occur, we would advise that a contingency be developed for unexpected conditions including, but not limited to, areas of soil and/or groundwater impacts, discovery of underground storage tanks (USTs), dry wells, catch basins, remnant subsurface foundations and other similar structures.

The Comprehensive Site Investigation Report, Remedial Objectives Report and Remedial Action Plan was completed in accordance with the IEPA's SRP; 35 IAC 740, and the Tiered Approach to Corrective Action Objectives (TACO), 35 IAC 742. This Report contains all information pertinent to the following IEPA reporting:

- ✓ Comprehensive Site Investigation Report
- ✓ Remediation Objectives Report
- ✓ Remedial Action Plan

Tier 1 Industrial/Commercial Ingestion, Inhalation and Construction Worker Inhalation exceedances have been identified in select areas of the Subject Property. These pathways have been evaluated under the SRP ROR process, and it had been determined that Hot Spot removal was conducted to remove soils exhibiting benzene in excess of the Indoor/Outdoor Soil Inhalation Exposure Route, *TPH* and/or source material in the vicinity of groundwater impacts in excess of Tier 1 GROs for the Indoor Inhalation Exposure Route. Refer to Appendix B, Figure 5 and 5A for the four (4) Hot Spot excavation areas.

Following the removal of the *Benzene* and *TPH* impacted locations, which correspond to the MG-GW-TW-02 and MG-GW-MW-19 well locations exhibiting impacts in excess of Tier 1 GROs for the Indoor Inhalation Exposure Route, nine (9) soil gas vapor samples were obtained throughout the site. Specifically, three (3) samples were obtained from each of the proposed building pad areas (one in the northern, central, and southern sections of each building). It should be noted that soil gas sample SGV-3N was obtained from the area of MW-19, and soil gas sample SGV-2N was obtained from the area of TW-02. The samples were collected at a depth of four feet below grade surface and above the saturated zone. The samples were submitted for VOC analysis to a NELAP certified laboratory, with a completed chain of custody. According to the laboratory results, no VOCs were detected above any Tier 1 ROs. As such, soil gas vapor (i.e. the indoor inhalation exposure route) has been addressed and 35 IAC 742.312 has been satisfied. Refer to **Appendix A, Figure 4** for the location of the soil gas samples.

In addition, Hot Spot removal was completed at two (2) soil or sediment locations (HA-01 and, HA-02) exhibiting arsenic concentrations in excess of the Tier 1 SRO for the Soil Ingestion Exposure Route. Confirmation soil samples were collected upon excavation completion and soil samples were submitted to the project laboratory for the analysis of the COCs with analytical results indicating successful mitigation at the four soil sediment locations. The remaining Arsenic locations will utilize engineered barriers consisting of 1.5 feet of clean fill (underlain by IEPA-approved Mirafi® 180N, spec sheet can be found in Appendix J) to address the ingestion exceedances in the landscaped areas. Refer to **Appendix B, Figure 5B** for the Arsenic abatement locations.

For the Construction Worker Inhalation Exposure Route, a safety plan will be developed to address possible worker exposure for the COCs that exceeded the Construction Worker Inhalation Exposure Pathway in the event that any future excavation and construction activities may occur within the contaminated soil. Any excavation within the contaminated soil will require implementation of a safety plan consistent with NIOSH Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, OSHA regulations, (particularly in 29 CFR 1920 and 1926), state, and local regulations, and other USEPA guidance. Excavated soil must be returned to the same depth from which it was excavated or properly managed or disposed in accordance with applicable state and federal regulations. The safety plan will include those areas that exceeded the Tier 1 SROs for the Construction Worker Inhalation Exposure Route (that were not removed during hot spot excavations).

For the COCs that exceeded the Class I SCGIR SROs and the Class I GROs (shown to not migrate off-site), an on-site groundwater restriction prohibiting the use of groundwater for potable purposes must be implemented.

The soil results that exceeded TACO Tier 1 Remediation Objectives (ROs) after RAP execution are as follows:

- The soil analytical results of the CSI indicated that *Arsenic* at one or more locations exceeded the TACO Tier 1 SROs for the Industrial/Commercial Ingestion Exposure Route, the Industrial/Commercial Inhalation Exposure Route was exceeded for *Benzene* at seven (7) locations; the Construction Worker Inhalation Exposure Route was exceeded by *Benzene* at six (6) locations, *Total Xylenes* at six (6) locations, *Naphthalene* at four (4) location and *Mercury* at one (1) location. COCs that exceeded the Class I Soil Component of the Groundwater Ingestion Route (SCGIR) were *Benzene* at twenty (20) locations, *Toluene* at one (1) location, *Naphthalene* at one (1) location, *2-Methylnaphthalene* at three (3) locations, and *1,1,2,2-Tetrachloroethane* at

one (1) location. The Construction Worker Ingestion Exposure Route was not exceeded.

- Nine (9) soil gas vapor samples were obtained throughout the site. Specifically, three (3) samples were obtained from each of the proposed building pad areas (one in the northern, central, and southern sections of each building). It should be noted that soil gas sample SGV-3N was obtained from the area of MW-19, and soil gas sample SGV-2N was obtained from the area of TW-02. The samples were collected at a depth of four feet below grade surface and above the saturated zone. The samples were submitted for VOC analysis to a NELAP certified laboratory, with a completed chain of custody. According to the laboratory results, no VOCs were detected above any Tier 1 ROs. As such, soil gas vapor (i.e. the indoor inhalation exposure route) has been addressed and 35 IAC 742.312 has been satisfied. Soil gas sample locations are depicted in **Appendix A, Figure 4**.
- Based on the Soil Component of the Groundwater Ingestion Route (SCGIR) exceedances, Tier 2 modeling was conducted by EGSL and it has been calculated that the COC *Benzene, Toluene, Naphthalene, 2-Methylnaphthalene*, and *1,1,2,2-Tetrachloroethane* would not migrate off-site in a radial pattern from the sample location.

The groundwater flow direction utilized from ESC was determined to be variable from the south/southwest to south/southeast and the site-specific hydraulic conductivity was  $3.08 \times 10^{-4}$  cm/sec. Based on these results, the RS groundwater is classified as Class I groundwater as per 35 IAC 620, Subpart B. According to ESC, the hydraulic gradient was calculated to be 0.009 feet/feet (ft/ft) (average result from MW-1 to MW-16 and MW-6 to MW-2) across the site.

As a part of the Remedial Action Completion Report and strategy to pursue No Further Remediation (NFR) status, the following are proposed:

- The soil Industrial/Commercial Soil Ingestion Exposure Route and Industrial/Commercial Soil Inhalation Exposure Route may be excluded by utilizing a site-wide engineered barrier requirement (see Site Base Map in **Appendix A, Figure 2A**). Engineered barriers in the forms of slab-on-grade building foundations, concrete/asphalt driveways/parking/walkways, and 1.5' of clean, compacted clay (underlain by IEPA-approved Mirafi® 180N, spec sheet can be found in Appendix J) in the landscaped areas. It should be noted that it was previously determined that no outdoor inhalation exceedances were located within the landscaped areas.
- The soil Construction Worker Inhalation Exposure Route may be excluded by use of a site-specific area worker caution requirement.
- The SCGIR and the Groundwater Inhalation Route may be excluded by the use of an on-site groundwater restriction prohibiting the use of groundwater for potable purposes for those COCs on-site. No COCs were calculated to migrate off-site in a radial direction from sampling location.
- In addition, an institutional control in the form of a recorded IEPA NFR letter filed by the property/remediation site owner with the local county recorder's office will remain in force for the Site in perpetuity or until such time as the contaminants of concern have been remediated to below IEPA TACO Tier 1 Industrial/Commercial Remediation Objectives.

Please note the following:



- Only portion of the Subject Property has completed development of the required engineered barriers. An NFR is requested at this time only for the Remediation Site Boundary as identified in G. The Legal Description and PIN associated with this portion of the site can also be found in Appendix G. The remaining portions of the Subject Property are in the final stages of development, and an additional RACR requesting an NFR for those portions will be submitted upon completion of the engineered barriers.
- Clean, compacted clay that was utilized in the landscaped areas was obtained from the over-excavation of the large retention pond areas located along the southern portion of the Subject Property. Approximately 16,500 cubic yards of native clay was utilized in the landscaped areas. As such, 34 samples were submitted for TCL analysis. None of the samples contained any chemicals of concern above IEPA. Complete analytical data can be found in Appendix H.
- Maps requested in the IEPA January 17, 2019 comment letter can be found in Appendix I.

## 2. REMEDIATION SITE ACTIVITIES & RESULTS

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The following sequential activities have been performed at the RS (Site Base Map found in Appendix A):

- On September 7, 2014, ESC submitted a Site Investigation, Remediation Objectives, Remedial Action Plan and Completion Report.
- Between March 30 through April 11, 2017, WCG conducted a Limited Phase II Environmental Site Assessment.
- On March 30 to April 11, 2017, EGSL completed a total of seventy-four (74) soil probes and four hand augers were advanced, two temporary groundwater monitoring wells installed, two sediment samples were collected, and twelve (12) existing permanent monitoring wells were sampled (see **Appendix A, Figures 2, 2A, and 3** for approximate locations of the soil probes, hand augers, sediment samples and monitoring wells). Soil samples collected from each probe and hand auger were field screened using a photoionization detector (PID). In addition, soil samples were screened for the presence of visual and olfactory indications of impacts. Soil and sediment samples collected intermittently from March 30 to April 10, 2017 were submitted for laboratory analysis of contaminants of concern (COCs) related to the above RECs. These COCs included *Target Compound List (TCL)* parameters, *total petroleum hydrocarbons (TPH)*, *Benzene*, *Toluene*, *Ethylbenzene*, and *Xylenes (BTEX)*, *Methyl tert-butyl ether (MTBE)*, Resource Conservation and Recovery Act (RCRA) *Metals*, Toxicity Characteristic Leaching Procedure (TCLP) *Metals*, Synthetic Precipitation Leaching Procedure (SPLP) *Metals*, and pH. In addition, select soil samples were submitted for laboratory analysis of *Fraction of Organic Carbon (Foc)*. Groundwater samples collected on April 10 and April 11, 2017 were also submitted for laboratory analysis of TCL parameters, *BTEX*, *MTBE*, *PNAs*, and *RCRA Metals* (total and dissolved).
- On July 16, 2017, the Subject Property was enrolled in the IEPA SRP under LPC# 0310965121 with *Bridge Development Partners* as Remediation Applicant (RA).
- On August 8, 2017, EGSL submitted a Comprehensive Site Investigation Report (CSIR)/Remediation Objectives Report (ROR)/Remedial Action Plan (RAP) for IEPA review.
- On November 20, 2017, EGSL submitted an *Addendum to the CSIR/ROR/RAP dated August 8, 2017* was submitted to the IEPA for review.
- On February 20, 2018, the IEPA issued a letter disapproving the *CSIR/ROR/RAP and Addendum to the CSIR/ROR/RAP – dated August 8, 2017*.
- On April 9, 2018, EGSL submitted a response letter to the IEPA's February 20, 2018 Comments Letter.
- On June 8, 2018, the IEPA issued a letter disapproving the *Response to IEPA's Comments for the February 20, 2018 Comment Letter Disapproving the EGSL CSIR/ROR/RAP*, dated April 9, 2018.
- On July 20, 2018, EGSL submitted a response letter to the IEPA's June 8, 2018 Comments Letter.
- On October 25, 2018, EGSL submitted a *Supplement to EGSL's July 20, 2018 Response Letter* to the IEPA.
- On October 30, 2018, EGSL hand excavated two (2) areas of Arsenic exceedances along the drainage ditch. Ten (10) soil samples were collected were submitted to STAT Analysis Corporation for the analysis of Arsenic. Two (2) 55-gallon drums of contaminated soils were removed and properly disposed of at American Waste Industries. Refer to **Appendix B, Figure 4B** for excavation areas and **Appendix E** for arsenic excavation and sampling documentation.
- On January 17, 2019, the IEPA issued a letter approving the October 25, 2018 *Supplement to*

*EGSL's July 20, 2018 Response Letter to the IEPA.*

Hot spot soil excavation activities has resulted in the following remaining soil sample locations exceeding TACO Tier 2 Remediation Objectives (ROs) are as follows:

Sample ID	Sample Depth (ft)	Benzene	Toluene	Total Xylenes	Naphthalene	1,1,2,2-Tetrachloroethane	2-Methylnaphthalene	Mercury
TACO Tier 2 SCGI		0.30	61	N/E	12	0.03	1.7	0.002
TACO Tier 2 Res. Inhalation SRO		5.4	N/E	N/E	N/E	N/E	N/E	N/E
TACO Tier 2 Ind/Com. Inhalation SRO		7.6	N/E	N/E	N/E	N/E	N/E	N/E
TACO Tier 2 Cons. Worker Inh. SRO		6.3	N/E	32.4	1.8	N/E	N/E	N/E
P-2	8	4.1	*	9.3	*	*	*	*
P-4a	1.5	0.60	38.6	33.8	*	*	*	*
B-1	8	5.19	*	7.9	2.0	*	*	*
B-2	9	3.29	*	*	1.9	*	*	*
B-3	5	11.8	*	*	*	*	*	*
B-4	4	0.34	*	21.1	33.5	*	*	*
SW-1	5	4.98	*	*	*	*	*	*
SW-2	4	5.95	*	8.0	2.0	*	*	*
SW-5	5	15.9	*	*	*	*	*	*
MG-SB-23	2-4	0.04	*	*	*	*	*	*
MG-SB-25	2-4	0.25	*	*	*	*	*	*
MG-SB-27	2-4	0.14	*	*	*	*	*	*
MG-SB-29	1-3	0.21	*	*	*	*	*	*
MG-SB-32	2-4	*	*	*	*	*	4.7	*
MG-SB-44	2-4	0.49	*	*	*	*	*	*
MG-SB-55	1-3	0.05	*	*	*	*	1.7	*
MG-SB-56	2-4	0.06	*	*	*	*	*	*
MG-SB-57	2-4	0.08	*	*	*	*	*	*
MG-SB-60	6-8	0.51	*	*	*	*	*	*
MG-SB-61	5-7	*	*	*	*	*	9.1	*
MG-SB-62	4-6	1.60	*	*	*	*	*	*
MG-SB-63	0-2	1.20	*	*	*	*	*	*
MG-SB-64	13-15	*	*	*	*	*	*	0.027
MG-SB-73	2-4	*	*	*	*	0.032	*	*

Notes:

Analytical testing results are expressed in parts-per-million (ppm) concentrations.

\* - Sample below Tier 1 SROs for specified contaminate

- Groundwater analytical results from the four monitoring wells (MW-7, MW-19, MG-GW-TW-01, and MG-GW-TW-02) indicated that Benzene exceeded the Class I GROs and three monitoring wells (MW-19, MG-GW-TW-01, and MG-GW-TW-02) indicated that Iron exceeded the Class I GROs. Refer to Appendix C, Figure 6 for the groundwater contaminate plume.



- Hot spot soil excavation activities have resulted in Arsenic exceedances at twenty-one (21) sample locations: hand auger locations HA-03 (2'-4'), HA-04 (2'-4') and soil boring locations MG-SB-GP-10 (4'-6'), MG-SB-GP-16 (2'-4'), MG-SB-GP-17 (1'-3'), MG-SB-GP-20 (3'-5'), MG-SB-GP-24 (2'-4' & 10'-12'), MG-SB-GP-29 (1'-3'), MG-SB-GP-36 (4'-6' & 12'-14'), MG-SB-GP-37 (1'-3'), MG-SB-GP-44 (2'-4'), MG-SB-GP-45 (4'-6'), MG-SB-GP-49 (2'-4'), MG-SB-GP-56 (2'-4' & 10'-12'), MG-SB-GP-58 (6'-8'), MG-SB-GP-67 (2'-4'), MG-SB-GP-68 (4'-6'), MG-SB-GP-76 (2'-4').
- Based on the Soil Component of the Groundwater Ingestion Route (SCGIR) exceedances, concentrations of these COCs exceeding the applicable SROs were modeled using default TACO RBCA equations R-26 to predict the *potential* groundwater impact corresponding to the value detected in soil. Based on the Tier 2 modeling conducted by EGSL, it has been calculated that the no COC would migrate off-site in a radial pattern originating from the sampling location. The R-26 Modeling diagram is found in **Appendix D, Figure 16**.
- The groundwater flow direction was determined to be variable from the south/southwest to south/southeast and the site-specific hydraulic conductivity was  $3.08 \times 10^{-4}$  cm/sec. Based on these results, the RS groundwater is classified as Class I groundwater as per 35 IAC 620, Subpart B. The hydraulic gradient was calculated to be 0.0009 feet/foot (ft/ft).

Base site maps can be found in **Appendix A** depicted in the following figures:

- Figure 1: Site Base Map – Shows a generalized site location.
- Figure 2: Boring Locations Map – Shows soil boring locations.
- Figure 2A: Boring Locations Map – Shows soil boring locations on new construction.
- Figure 3: Monitoring Well Locations Map – Shows monitoring well locations.
- Figure 4: Soil Gas Sample Locations Map – Shows soil gas sample locations.

Excavation maps can be found in **Appendix B** depicted in the following figures:

- Figure 5: Excavation Map – Shows the excavation areas.
- Figure 5A: Zoomed in Excavation Map – Shows zoomed in excavation areas completed in November 2017.
- Figure 5B: Arsenic Excavation Map – Shows the *Arsenic* excavation areas completed on October 30, 2018.

Soil and groundwater contaminate plume maps can be found in **Appendix C** depicted in the following figures:

- Figure 6: Groundwater Contaminate Levels – Shows benzene and iron groundwater plumes.
- Figure 7: Benzene Migration to Groundwater – Shows benzene plumes for all samples collected above Tier 1 Migration to Groundwater Objectives and not removed by excavation.
- Figure 8: Benzene IC and Construction Worker Inhalation – Shows benzene plumes for all samples collected above Tier 1 I/C and C/W Objectives and not removed by excavation.
- Figure 9: Toluene Migration to Groundwater – Shows toluene plume for all samples



- collected above Tier 1 Migration to Groundwater Objectives and not removed by excavation.
- Figure 10: Total Xylenes Construction Worker Inhalation - Shows total xylenes plume for all samples collected above Tier 1 Construction Worker Objectives and not removed by excavation.
  - Figure 11: Naphthalene Construction Worker Inhalation - Shows naphthalene plume for all samples collected above Tier 1 Construction Worker Objectives.
  - Figure 12: 1,1,2,2-Tetrachloroethane Migration to Groundwater – Shows 1,1,2,2 Tetrachloroethane plume for all samples collected above Tier 1 Migration to Groundwater.
  - Figure 13: 2-Methylnaphthalene Migration to Groundwater - Shows 2-Methylnaphthalene plume for all samples collected above Tier 1 Migration to Groundwater.
  - Figure 14: Arsenic Industrial/Commercial Ingestion – Show arsenic plume above Tier 1 Industrial / Commercial Ingestion.
  - Figure 15: Mercury Construction Worker Inhalation - Show mercury plume above Tier 1 construction worker inhalation

R-26 modeled contaminate plume map can be found in **Appendix D, Figure 16**. Hot Spot Arsenic soil excavation locations are depicted in **Figure 17 (Appendix E)**.

For any additional details please refer to the EGSL *CSIR/ROR/RAP* dated August 8, 2017, the November 20, 2017 *Addendum to the CSIR/ROR/RAP*, the June 9, 2018 *Response Letter*, and the July 20, 2018 *Response Letter 2*.

### 3. CONCLUSIONS

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As a part of the Remedial Action Completion Report and strategy to pursue No Further Remediation (NFR) status, the following are concluded:

- ✓ **Industrial/Commercial Soil Ingestion:** Proposed engineered barriers in the form of a concrete building slab on-grade and foundation, asphalt/concrete pavement, or 1.5' of clean compacted clay underlain by Mirafi® 180N (spec sheet can be found in Appendix J). These engineered barriers will include those areas that exceeded the Tier 1 SROs for the Industrial/Commercial Soil Ingestion and Soil Inhalation Exposure Route as follows (Photos of the engineered barriers are presented in Appendix F):

Contaminant	Soil Boring (depth in ft bgs)	Concentration Detected (mg/kg)	SRO (mg/kg)
<b>Industrial/Commercial Soil Ingestion</b>			
Arsenic	HA-03 (2-4)	15	13
	HA-05 (2-4)	31	
	MG-SB-xx:	--	
	GP-10 (4-6)	19	
	GP-16 (2-4)	18	
	GP-17 (1-3)	16	
	GP-20 (3-5)	15	
	GP-24 (2-4)	15	
	GP-24 (10-12)	20	
	GP-29 (1-3)	14	
	GP-36 (4-6)	14	
	GP-36 (12-14)	20	
	GP-37 (1-3)	22	
	GP-44 (2-4)	14	
	GP-45 (4-6)	14	
	GP-49 (2-4)	16	
	GP-56 (2-4)	16	
	GP-56 (10-12)	15	
	GP-58 (6-8)	17	
	GP-67 (2-4)	15	
	GP-68 (4-6)	20	
	GP-76 (2-4)	14	

ft bgs = feet below ground surface

mg/kg = milligrams/kilogram

- ✓ **Industrial/Commercial Soil Inhalation:** Proposed engineered barriers in the form of a concrete building slab on-grade and foundation or asphalt/concrete pavement (potential future development). These engineered barriers will include those areas that exceeded the Tier 1 SROs for the Industrial/Commercial Soil Ingestion and Soil Inhalation Exposure Route as follows (Photos of the engineered barriers are presented in Appendix F):

Contaminant	Soil Boring (depth in ft bgs)	Concentration Detected (mg/kg)	SRO (mg/kg)
<b>Residential Soil Inhalation</b>			
Benzene	B-3 (5)	11.8	5.4
	B-4 (4)	33.5	
	SW-2 (4)	5.98	
	SW-5 (5)	15.9	

ft bgs = feet below ground surface

mg/kg = milligrams/kilogram

- ✓ **Construction Worker Ingestion and Inhalation:** A safety plan should be developed to address possible worker exposure in the event that any future excavation and construction activities may occur within the contaminated soil for the COCs at the following locations:

Contaminant	Soil Boring (depth in ft bgs)	Concentration Detected (mg/kg)	SRO (mg/kg)
<b>Construction Worker Inhalation</b>			
Benzene	B-3 (5)	11.8	6.3
	B-4 (4)	33.5	
	SW-5 (5)	15.9	
Total Xylenes	P-4 (1.5)	33.8	32.4
Naphthalene	B-1 (8)	2	1.8
	B-2 (9)	1.9	
	B-4 (4)	33.5	
	SW-2 (4)	2	

ft bgs = feet below ground surface

mg/kg = milligrams/kilogram

Any excavation within the contaminated soil will require implementation of a safety plan consistent with NIOSH Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, OSHA regulations, (particularly in 29 CFR 1920 and 1926), state, and local regulations, and other USEPA guidance. Excavated soil must be returned to the same depth from which it was excavated or properly managed or disposed in accordance with applicable state and federal regulations. The Construction Worker Caution Area location map can be found in **Appendix F, Figure 18**. Please note that this area is not part of this current NFR and will be addressed in the subsequent NFR request.

- ✓ For the COCs that exceeded the Class I SCGIR SROs and were not projected to migrate off-site, an on-site groundwater restriction prohibiting the use of groundwater for potable purposes must be implemented.
- ✓ In addition, an institutional control in the form of a recorded IEPA NFR letter filed by the property/remediation site owner with the local county recorder's office will remain in force for the Site in perpetuity or until such time as the contaminants of concern have been remediated to below IEPA TACO Tier 2 Industrial/Commercial Remediation Objectives.

#### 4. APPENDICIES

The appendices of this RACR include the following:

- A) Site Base Maps
- B) Excavation Maps
- C) Contaminate Plume Maps
- D) R-26 Modeling Map
- E) Arsenic Excavation Documentation
- F) Institutional Controls Documentation
- G) Final Site Base Map, PIN, and Legal Descriptions
- H) Landscaping TCL Analytical Data
- I) IEPA January 18, 2019 Comment Letter and Requested Maps
- J) Mirafi® 180N Spec Sheet



## **APPENDIX A – Site Base Map**

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**egsl**  
ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

**Legend:**

-  Building Structure
-  Aboveground Storage Tank

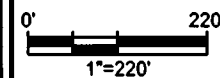
**Subject Property:**  
1061 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 1: Site Map

**Date**  
6/25

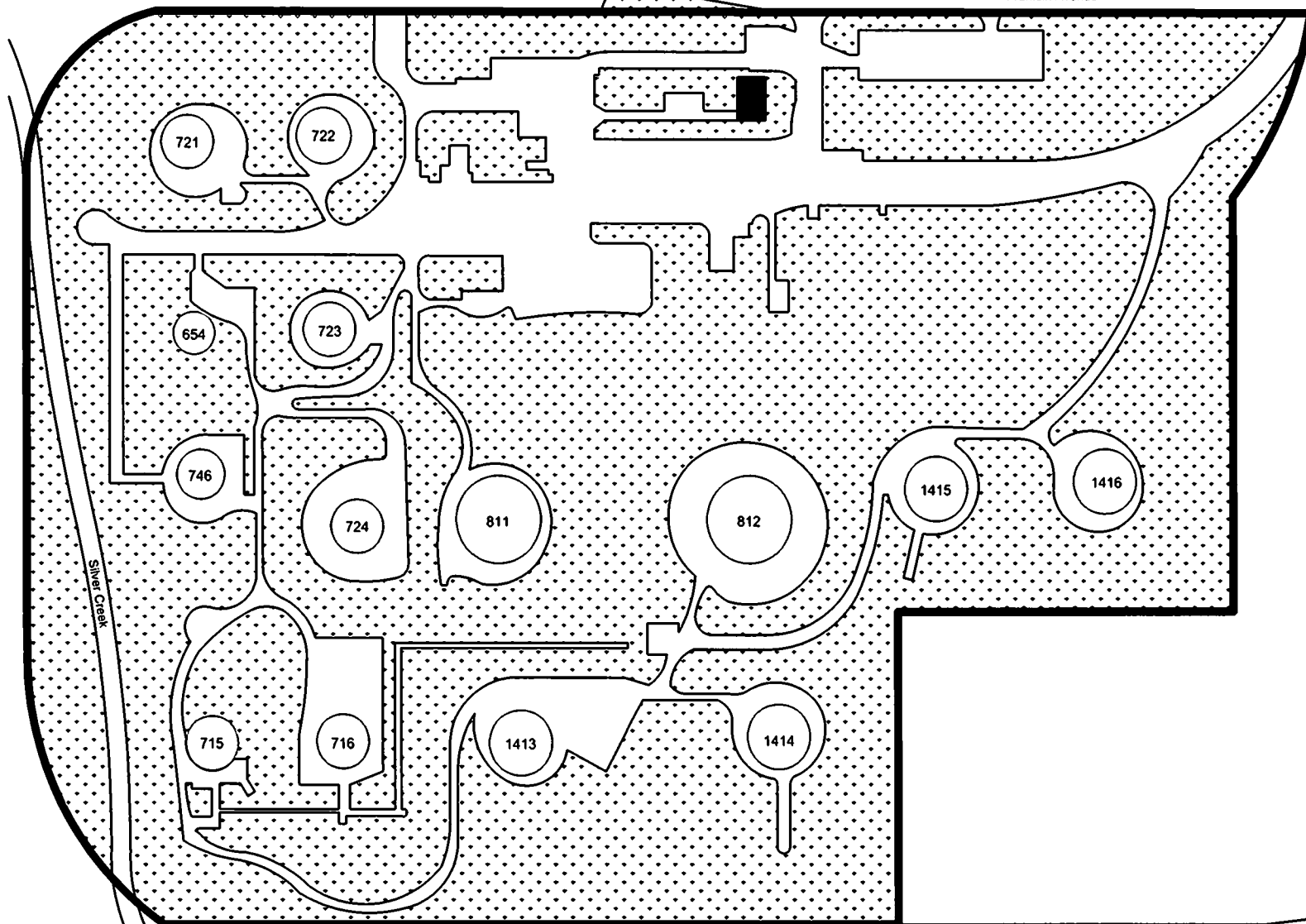
**Scale:**



Franklin Avenue

Silver Creek

Belmont Avenue



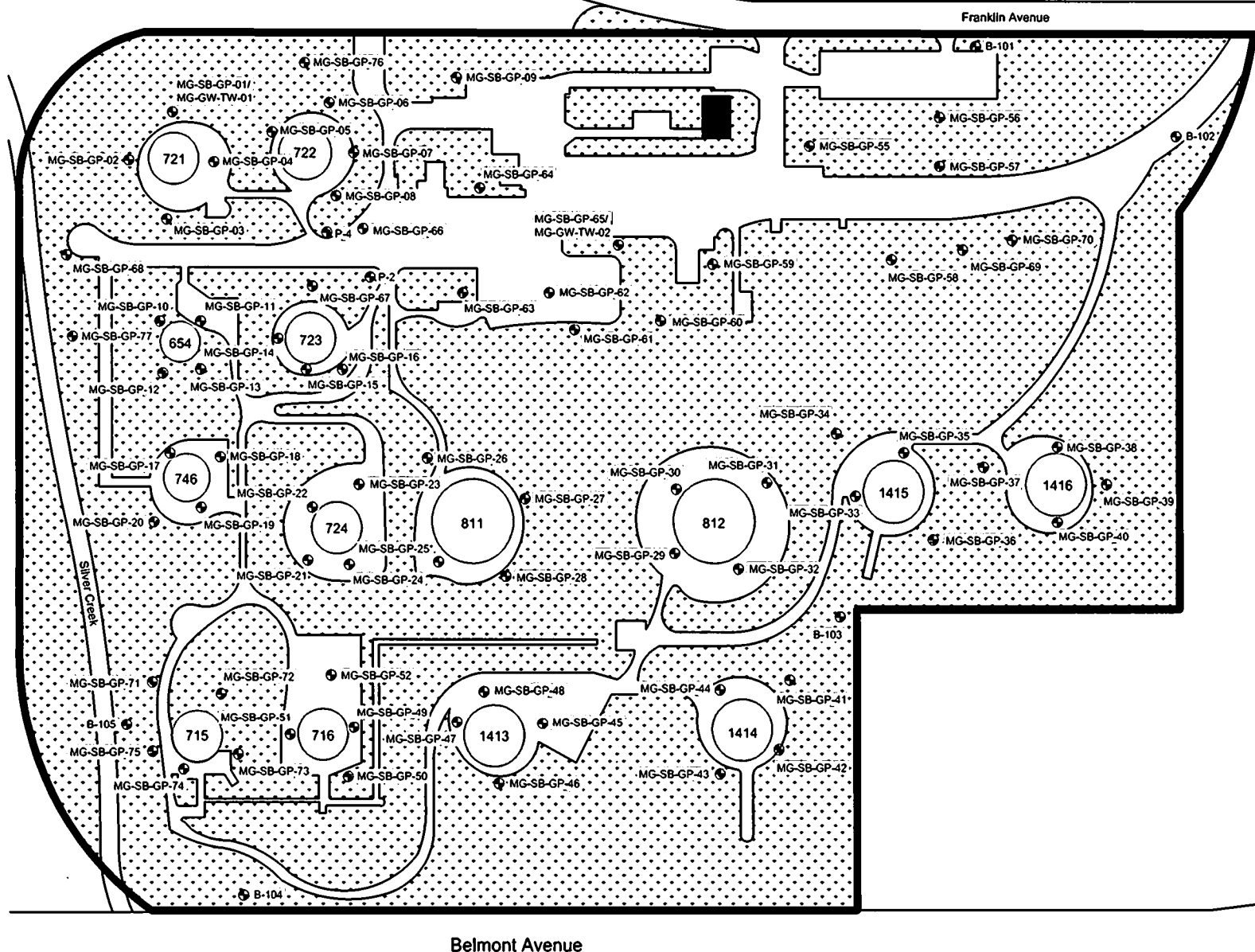




**Legend:**



**Figure 2: Boring Locations**  
**Date**  
**6/25**





**egsl**  
ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

**Legend:**

-  Subject Property
-  Soil Boring

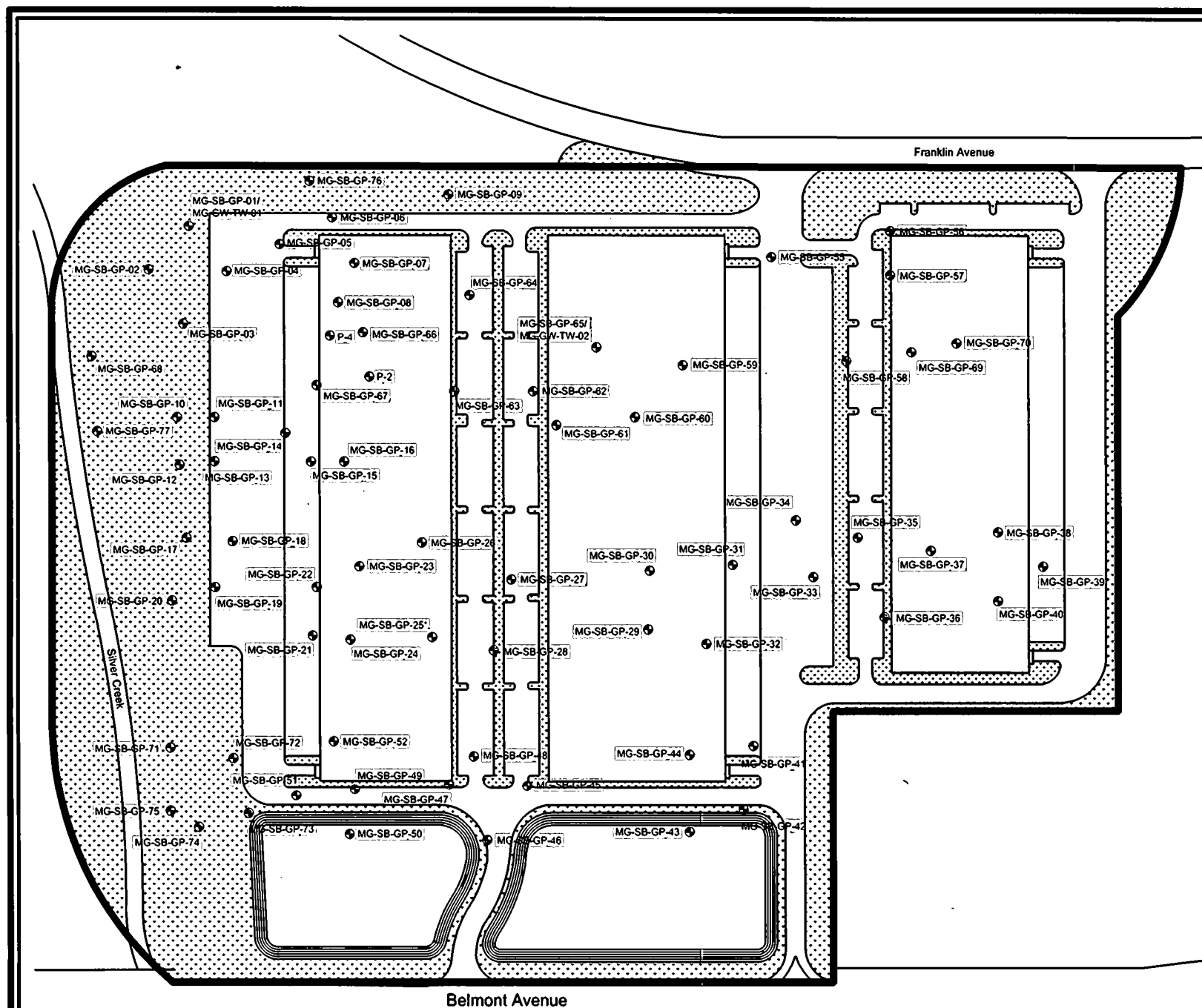
**Subject Property:**  
1061 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 2A: Boring  
Locations on New Construction

**Date**  
6/25

**Scale:**  
0' 210'  
1"=210'





**egsl**  
ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

**Legend:**

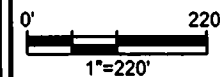
-  Building Structure
-  Aboveground Storage Tank
-  Monitoring Well

**Subject Property:**  
1061 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

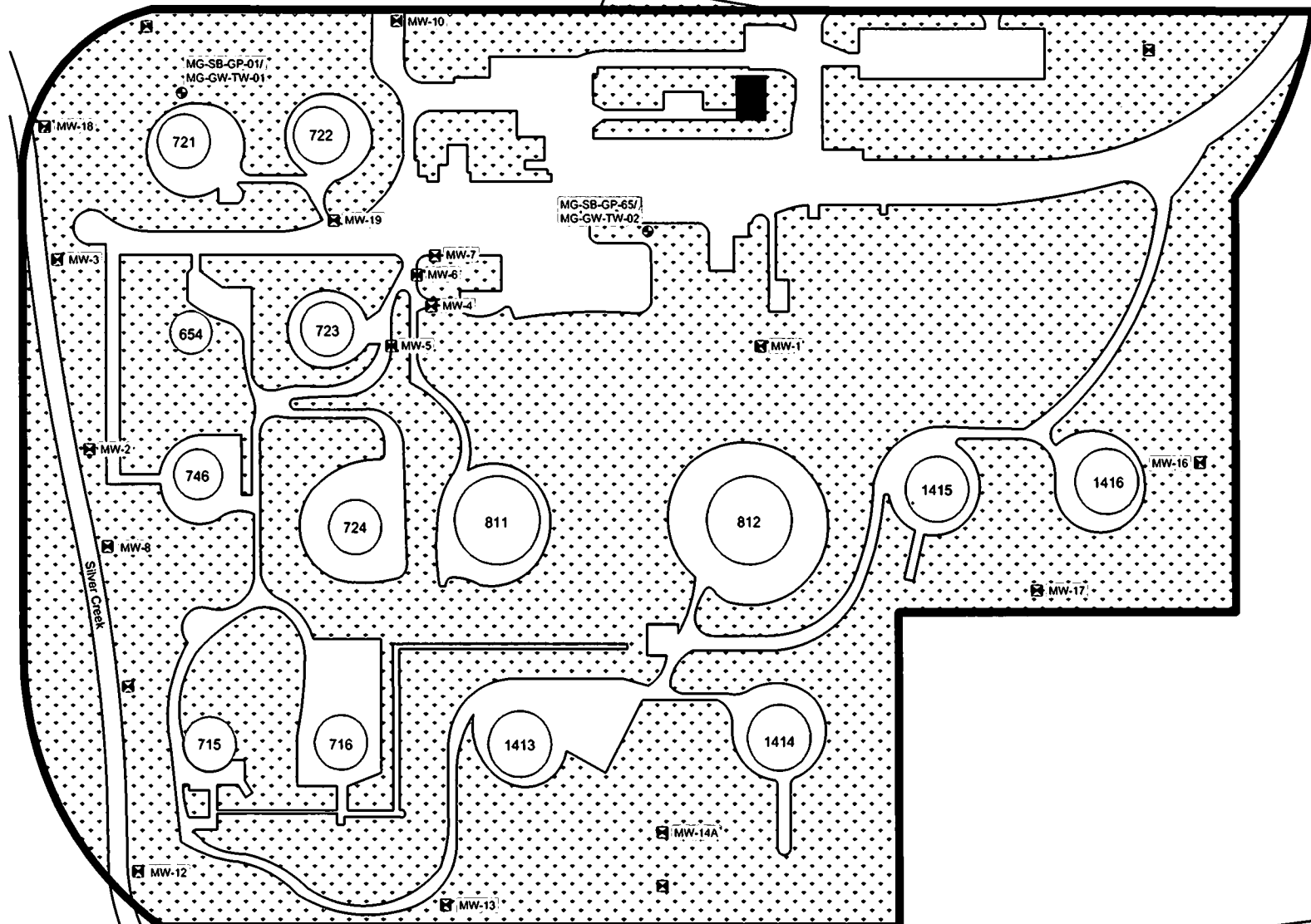
**Drawing Title**  
Figure 3: Monitoring Well  
Locations  
**Date**  
6/25

**Scale:**

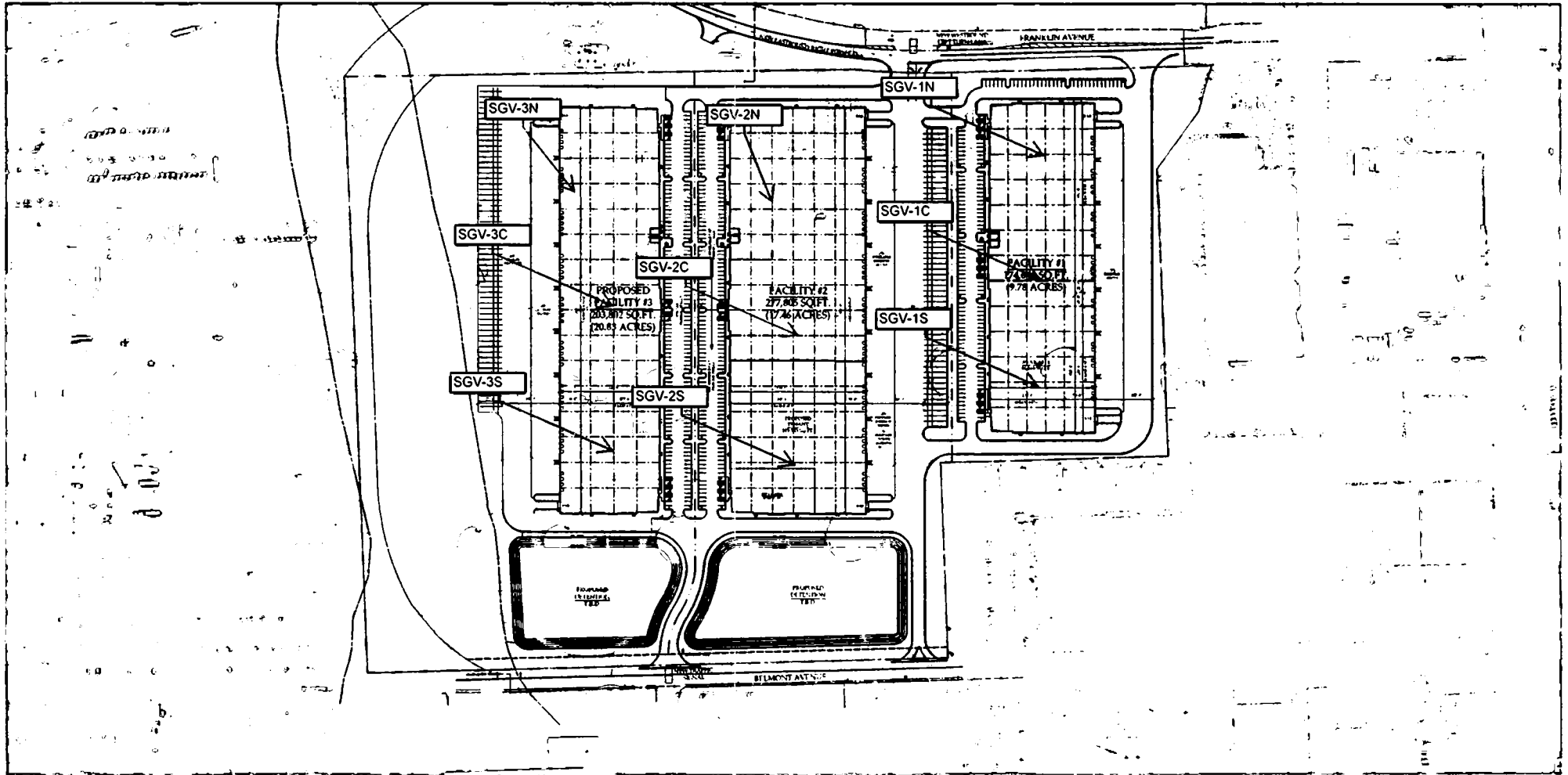


Franklin Avenue

Belmont Avenue







#### DATA: FACILITY #1

SITE AREA: 426,389 SQ. FT.  
9.78 ACRES

BUILDING AREA (GROSS): 174,646 SQ. FT.

EXTERIOR DOCKS: 27 DOCKS

FUTURE DOCKS: 18 DOCKS

DRIVE-IN-DOORS: 2 DOORS

TRAILER POSITIONS: 0 POSITIONS

CAR PARKING: 163 CARS

CLEAR HEIGHT: 32 FEET

F.A.R.: .41

#### DATA: FACILITY #2

SITE AREA: 760,000 SQ. FT.  
17.46 ACRES

BUILDING AREA (GROSS): 277,805 SQ. FT.

EXTERIOR DOCKS: 43 DOCKS

FUTURE DOCKS: 16 DOCKS

DRIVE-IN-DOORS: 2 DOORS

TRAILER POSITIONS: 60 POSITIONS

CAR PARKING: 176 CARS

CLEAR HEIGHT: 32 FEET

F.A.R.: .37

#### DATA: FACILITY #3

SITE AREA: 907,354 SQ. FT.  
20.83 ACRES

BUILDING AREA (GROSS): 203,802 SQ. FT.

EXTERIOR DOCKS: 43 DOCKS

FUTURE DOCKS: 16 DOCKS

DRIVE-IN-DOORS: 2 DOORS

TRAILER POSITIONS: 60 POSITIONS

CAR PARKING: 176 CARS

CLEAR HEIGHT: 32 FEET

F.A.R.: .29

SITE PLAN:

OPTION #1 0 50 100 200 FEET



## PROPOSED FACILITIES

10601 FRANKLIN AVENUE, FRANKLIN PARK, ILLINOIS

NOVEMBER 3, 2017 #17286

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## **APPENDIX B – Excavation Maps**






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ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

**Legend:**

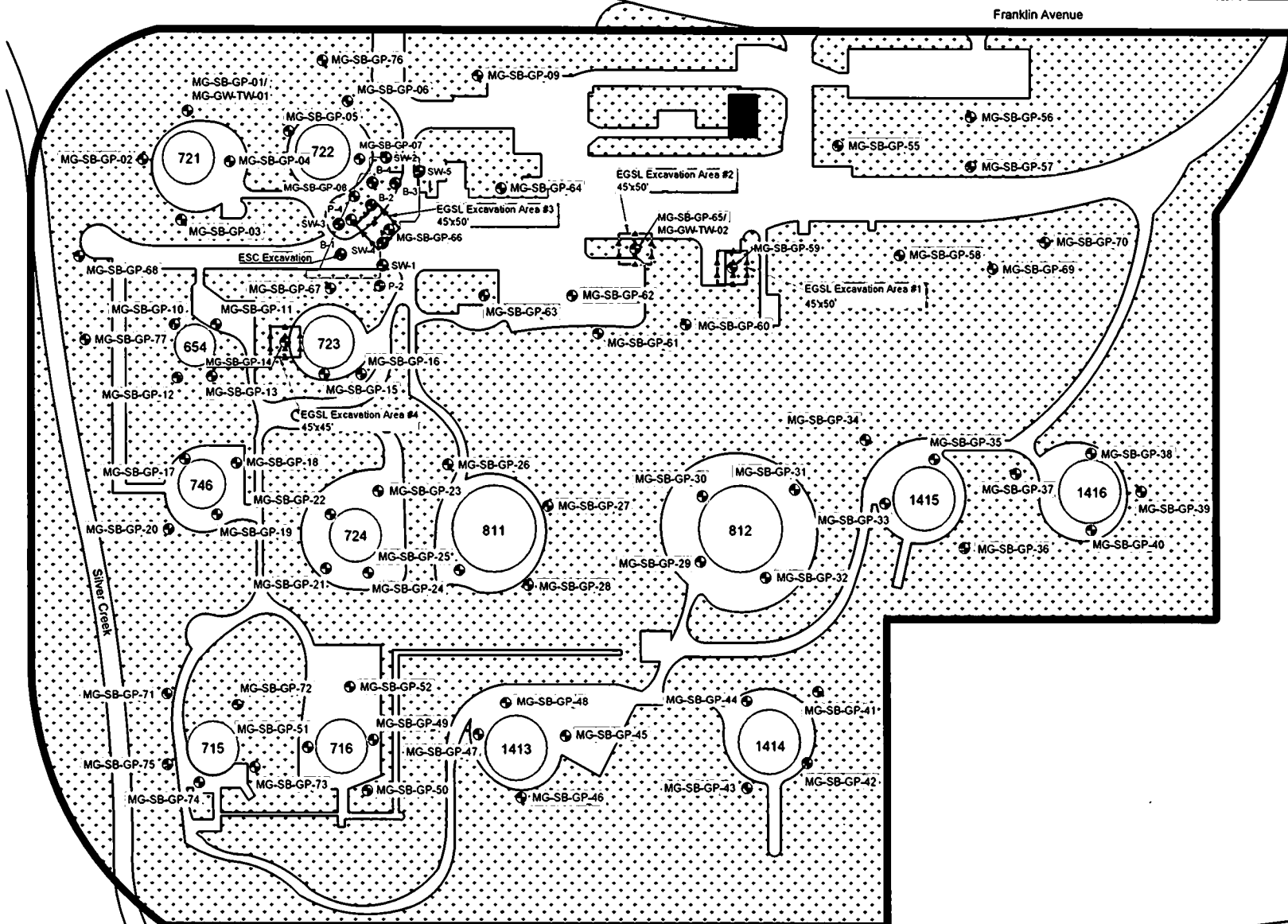
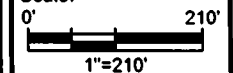
-  Building Structure
-  Aboveground Storage Tank
-  Soil Boring
-  Confirmation Sample
-  Excavation Area

**Subject Property:**  
1061 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 5: Excavation  
Area's  
**Date**  
6/25

**Scale:**








Belmont Avenue



egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

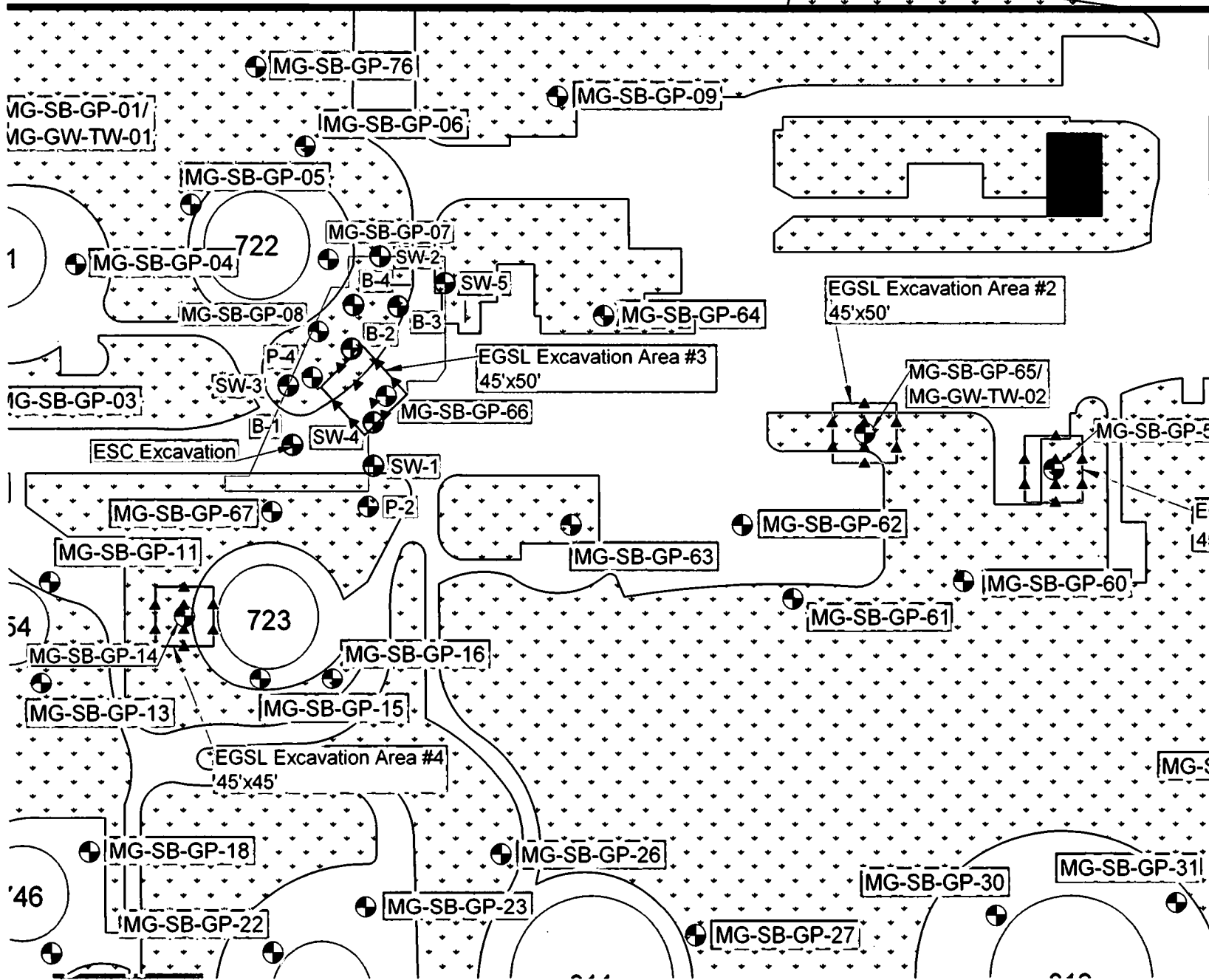
-  Building Structure
-  Aboveground Storage Tank
-  Soil Boring
-  Confirmation Sample
-  Excavation Area

**Subject Property:**  
1061 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 5B: Zoomed-In  
Excavation Area's  
**Date**  
6/25

**Scale:**  
0' 90'  
1"=90'







## **APPENDIX C – Contaminant Plume Maps**



egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

-  Building Structure
-  Aboveground Storage Tank
-  Monitoring Well
-  Dirty Boring Location
-  Contamination Plume
-  Soil Boring

**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

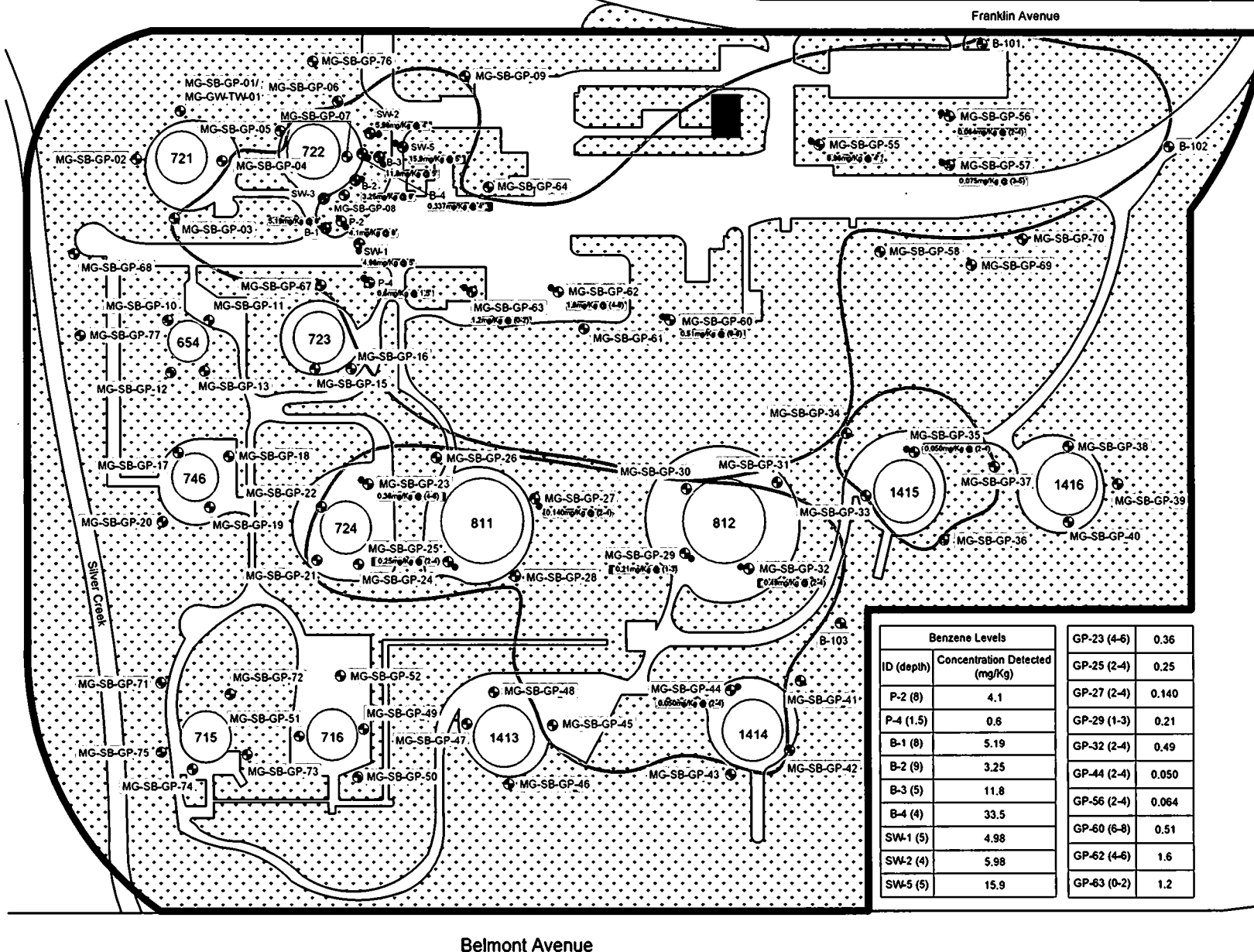
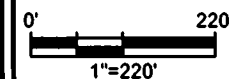
**EGSL Project No.**  
1703287

**Drawing Title**

Figure 7: Benzene Migration  
to Groundwater

**Date**  
6/25

**Scale:**



Benzene Levels		
ID (depth)	Concentration Detected (mg/Kg)	
P-2 (8)	4.1	GP-23 (4-6) 0.36
P-4 (1.5)	0.6	GP-25 (2-4) 0.25
B-1 (8)	5.19	GP-27 (2-4) 0.140
B-2 (9)	3.25	GP-29 (1-3) 0.21
B-3 (5)	11.8	GP-32 (2-4) 0.49
B-4 (4)	33.5	GP-44 (2-4) 0.050
SW-1 (5)	4.98	GP-56 (2-4) 0.064
SW-2 (4)	5.98	GP-60 (6-8) 0.51
SW-5 (5)	15.9	GP-62 (4-6) 1.6
		GP-63 (0-2) 1.2



egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

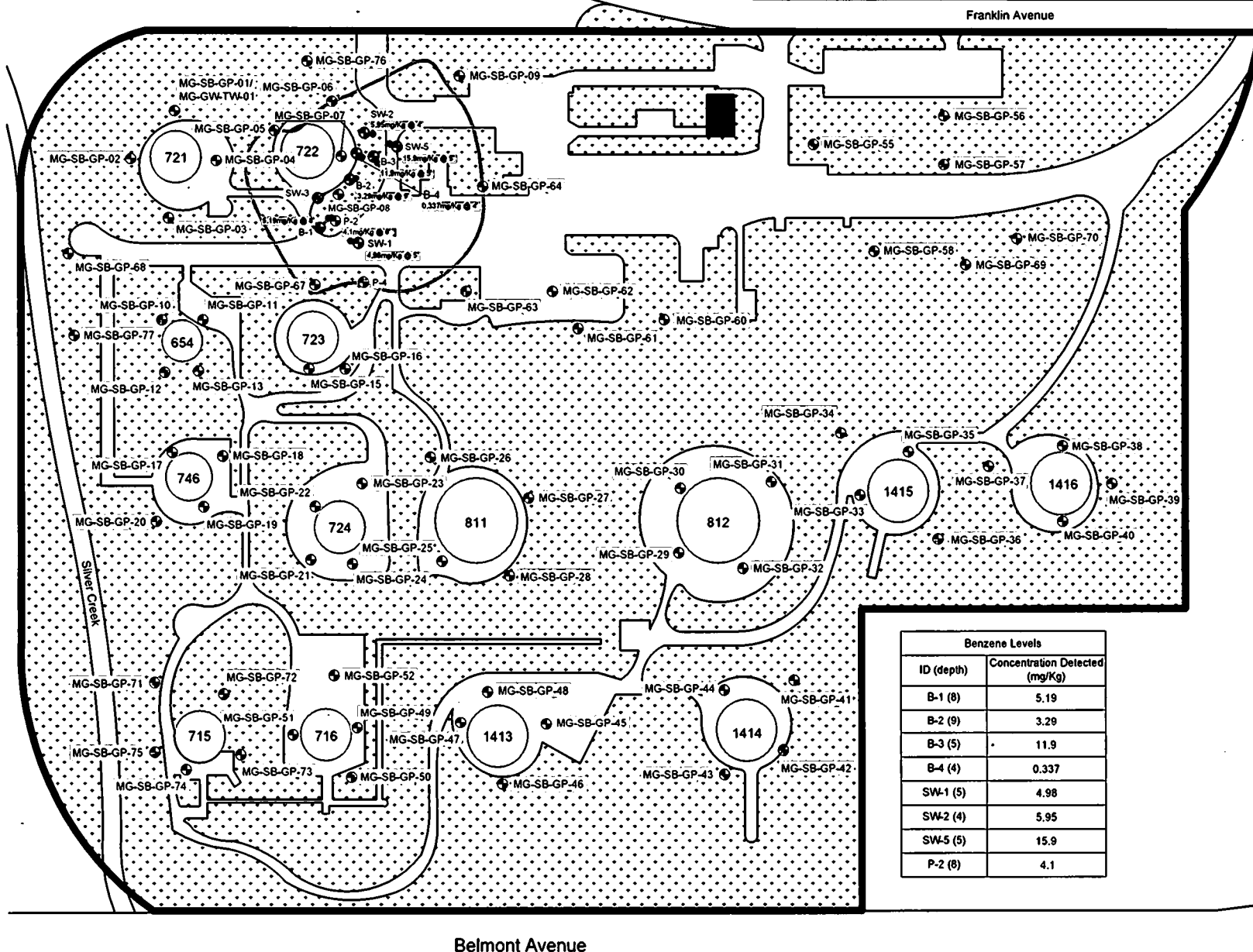
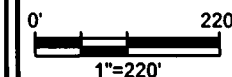
-  Building Structure
-  Aboveground Storage Tank
-  Monitoring Well
-  Dirty Boring Location
-  Contamination Plume
-  Soil Boring

**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 8: Benzene IC and  
Construction Worker Inhalation  
**Date**  
6/25

Scale:



Belmont Avenue











egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

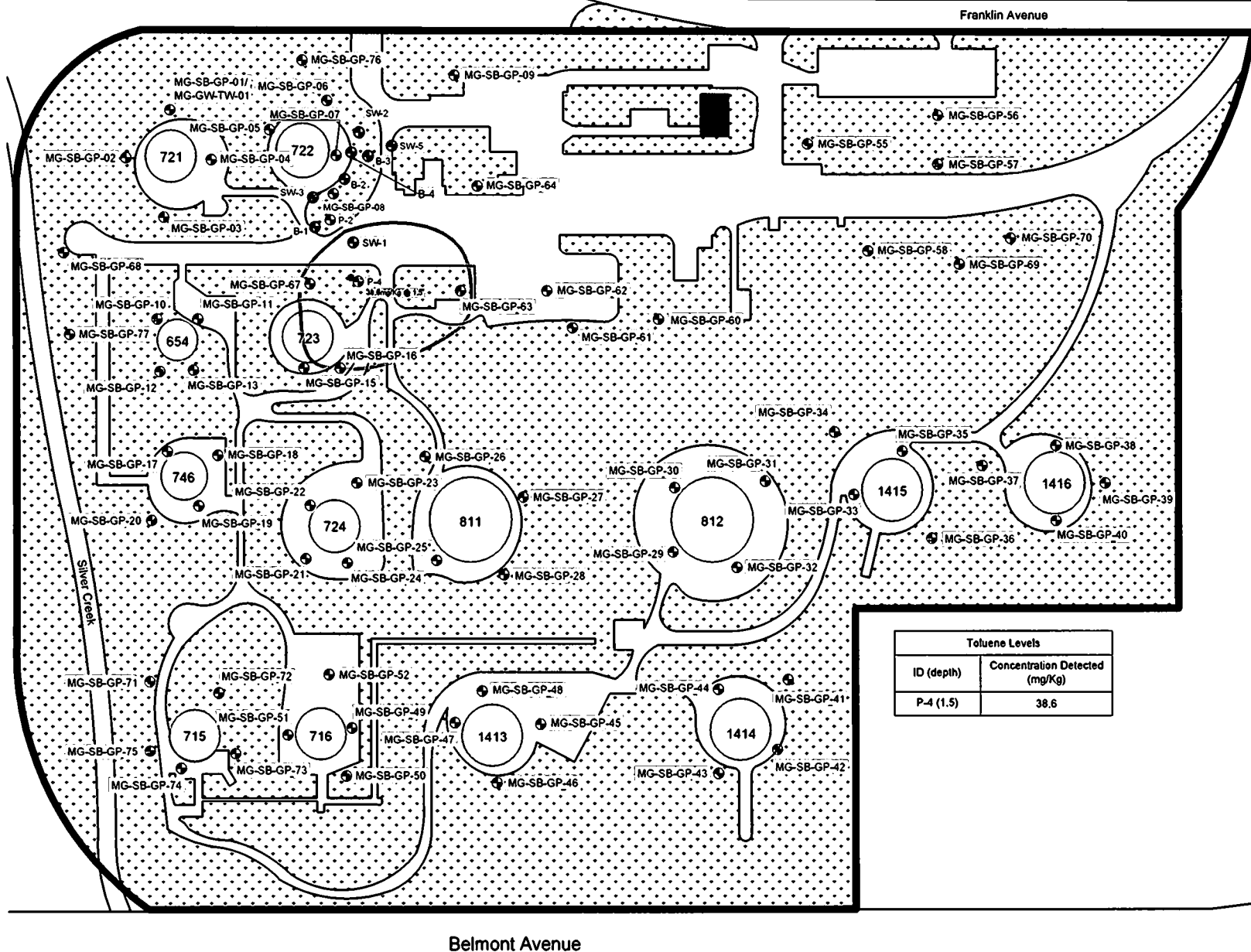
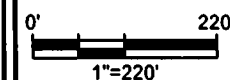
-  Building Structure
-  Aboveground Storage Tank
-  Monitoring Well
-  Dirty Boring Location
-  Contamination Plume
-  Soil Boring

**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 9: Toluene Migration  
to Groundwater  
**Date**  
6/25

Scale:





egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

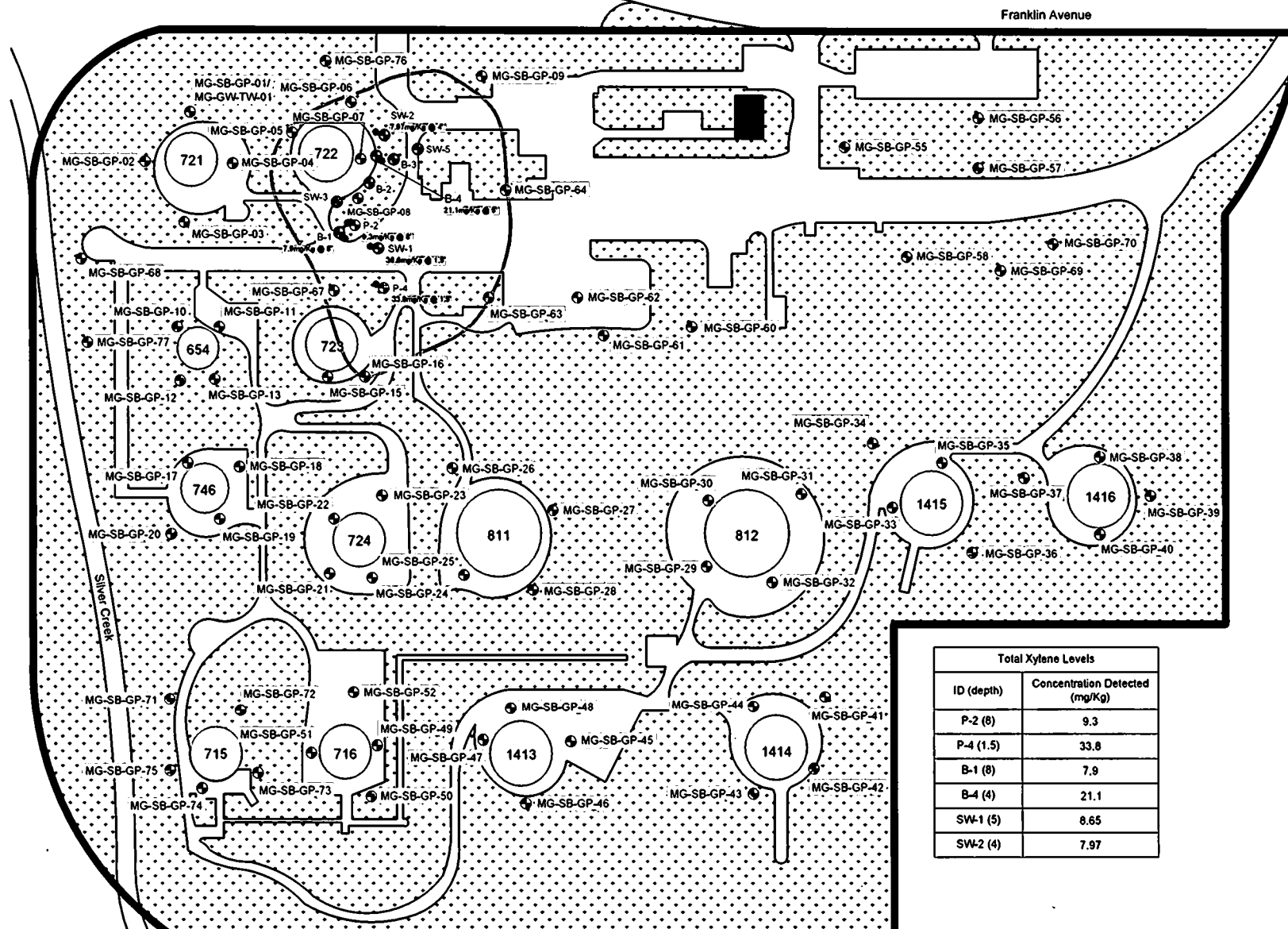
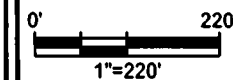
-  Building Structure
-  Aboveground Storage Tank
-  Monitoring Well
-  Dirty Boring Location
-  Contamination Plume
-  Soil Boring

**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 10: Total Xylenes  
Construction Worker Inhalation  
**Date**  
6/25

Scale:



Total Xylene Levels	
ID (depth)	Concentration Detected (mg/Kg)
P-2 (8)	9.3
P-4 (1.5)	33.8
B-1 (8)	7.9
B-4 (4)	21.1
SW-1 (5)	8.65
SW-2 (4)	7.97

Belmont Avenue

**Legend:**

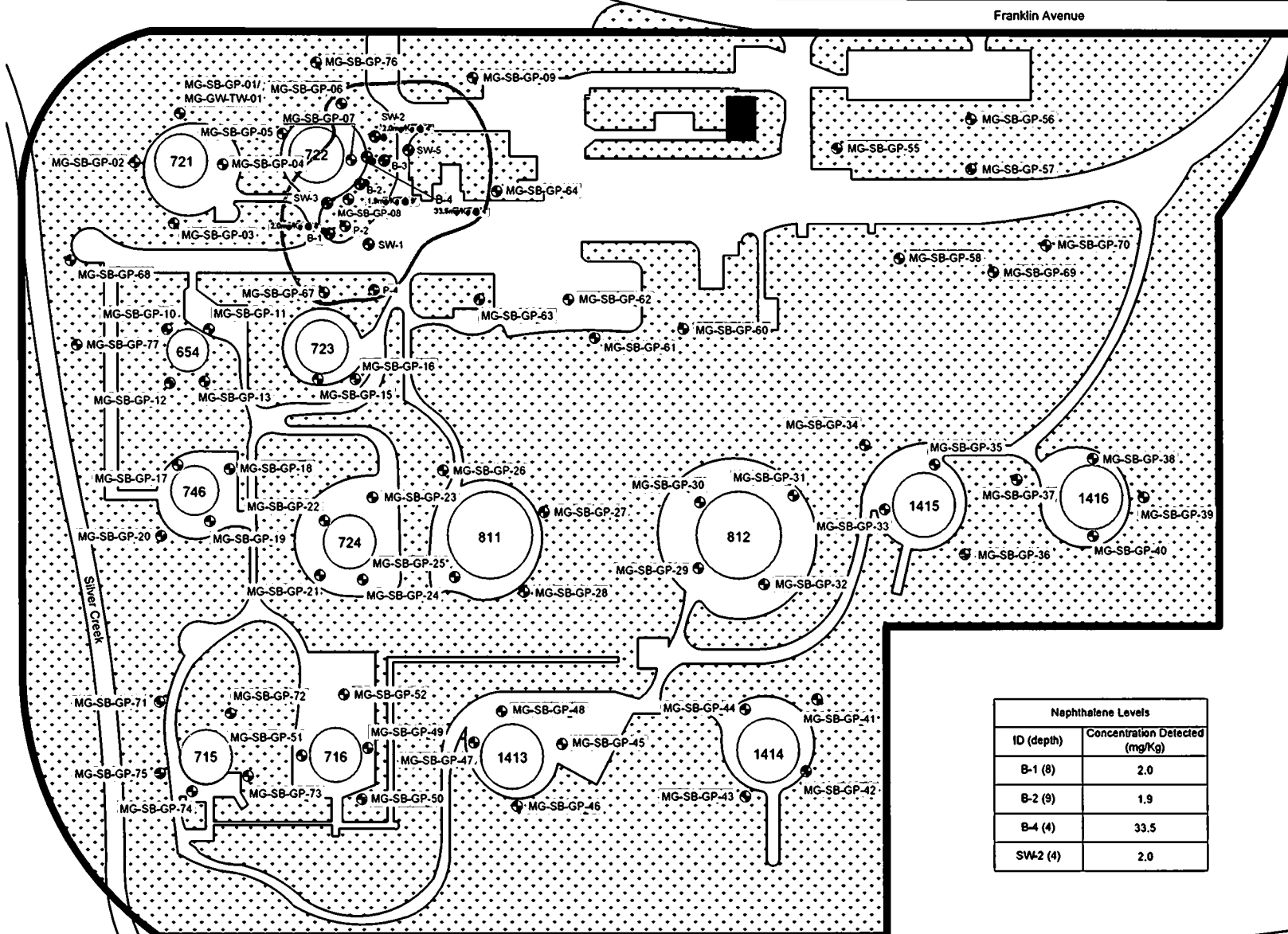
-  Building Structure
-  Aboveground Storage Tank
-  Monitoring Well
-  Dirty Boring Location
-  Contamination Plume
-  Soil Boring

**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 11: Naphthalene  
Construction Worker Inhalation  
**Date**  
6/25

**Scale:**



Naphthalene Levels	
ID (depth)	Concentration Detected (mg/Kg)
B-1 (8)	2.0
B-2 (9)	1.9
B-4 (4)	33.5
SW-2 (4)	2.0

Belmont Avenue



**ENVIRONMENTAL  
GROUP SERVICES  
LIMITED**

**Legend:**



**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

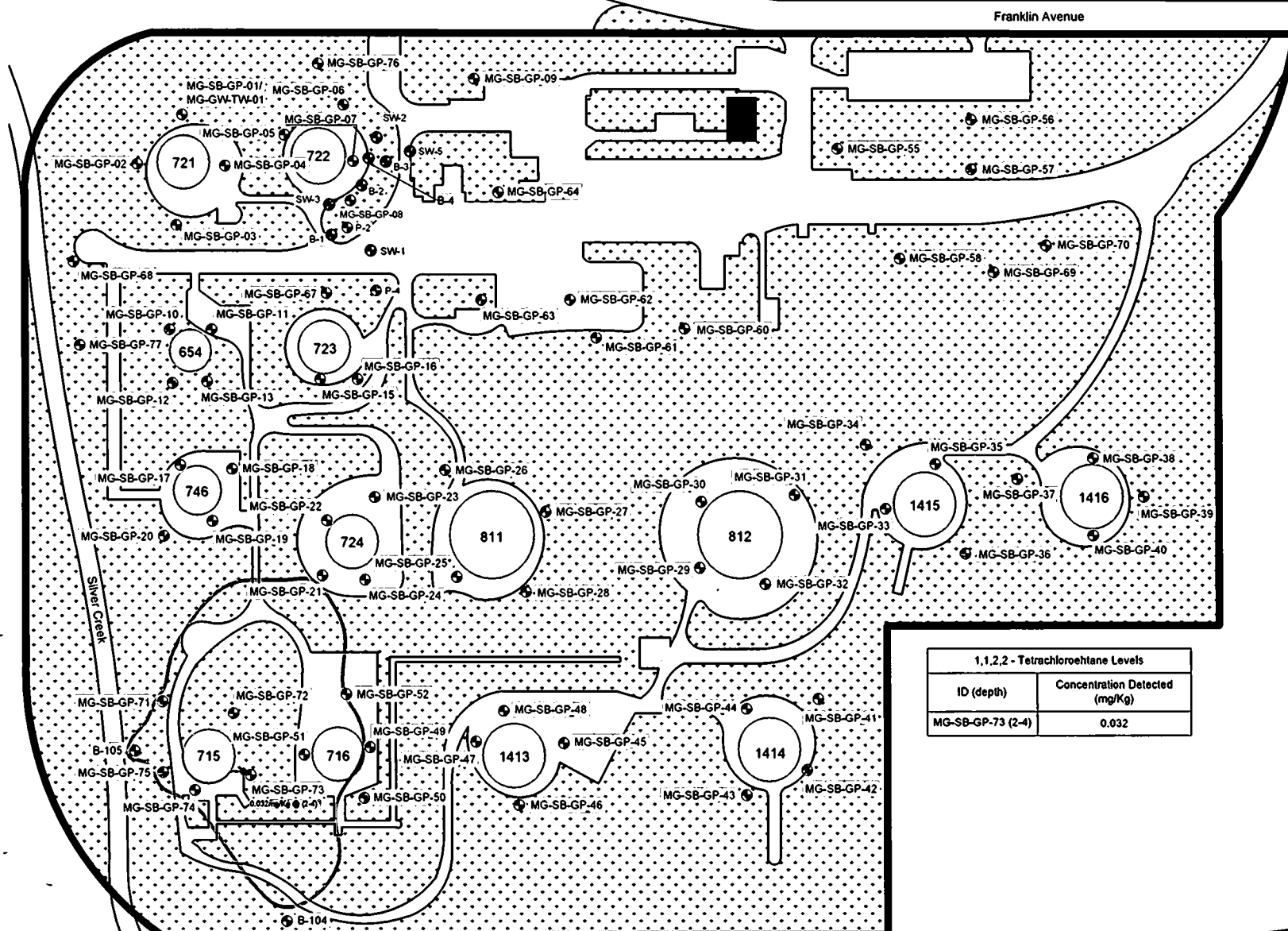
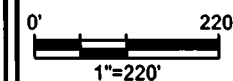
**EGSL Project No.**  
**1703287**

**Drawing Title**

Figure 12: 1,1,2,2 -  
Tetrachloroethane SCGIRO

**Date**  
**6/25**

Scale:



## Belmont Avenue

1,1,2,2 - Tetrachloroethane Levels	
ID (depth)	Concentration Detected (mg/Kg)
MG-SB-GP-73 (2-4)	0.032





egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

- Building Structure
- Aboveground Storage Tank
- Monitoring Well
- Dirty Boring Location
- Contamination Plume
- Soil Boring

**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

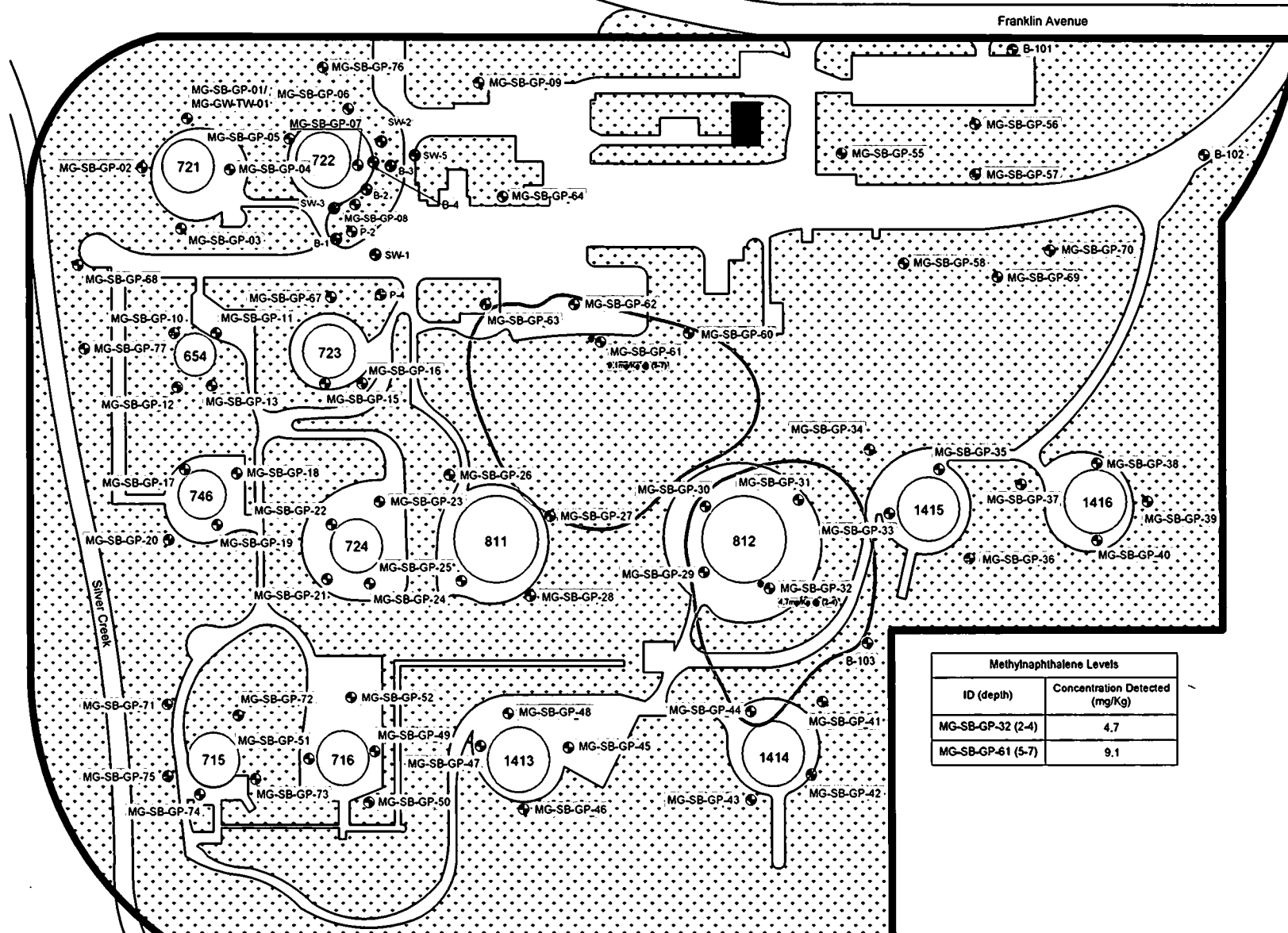
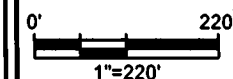
**EGSL Project No.**  
1703287

**Drawing Title**

Figure 13: 2-Methylnaphthalene  
Migration to Groundwater

**Date**  
6/25

**Scale:**



Methylnaphthalene Levels	
ID (depth)	Concentration Detected (mg/Kg)
MG-SB-GP-32 (2-4)	4.7
MG-SB-GP-61 (5-7)	9.1






Belmont Avenue



egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

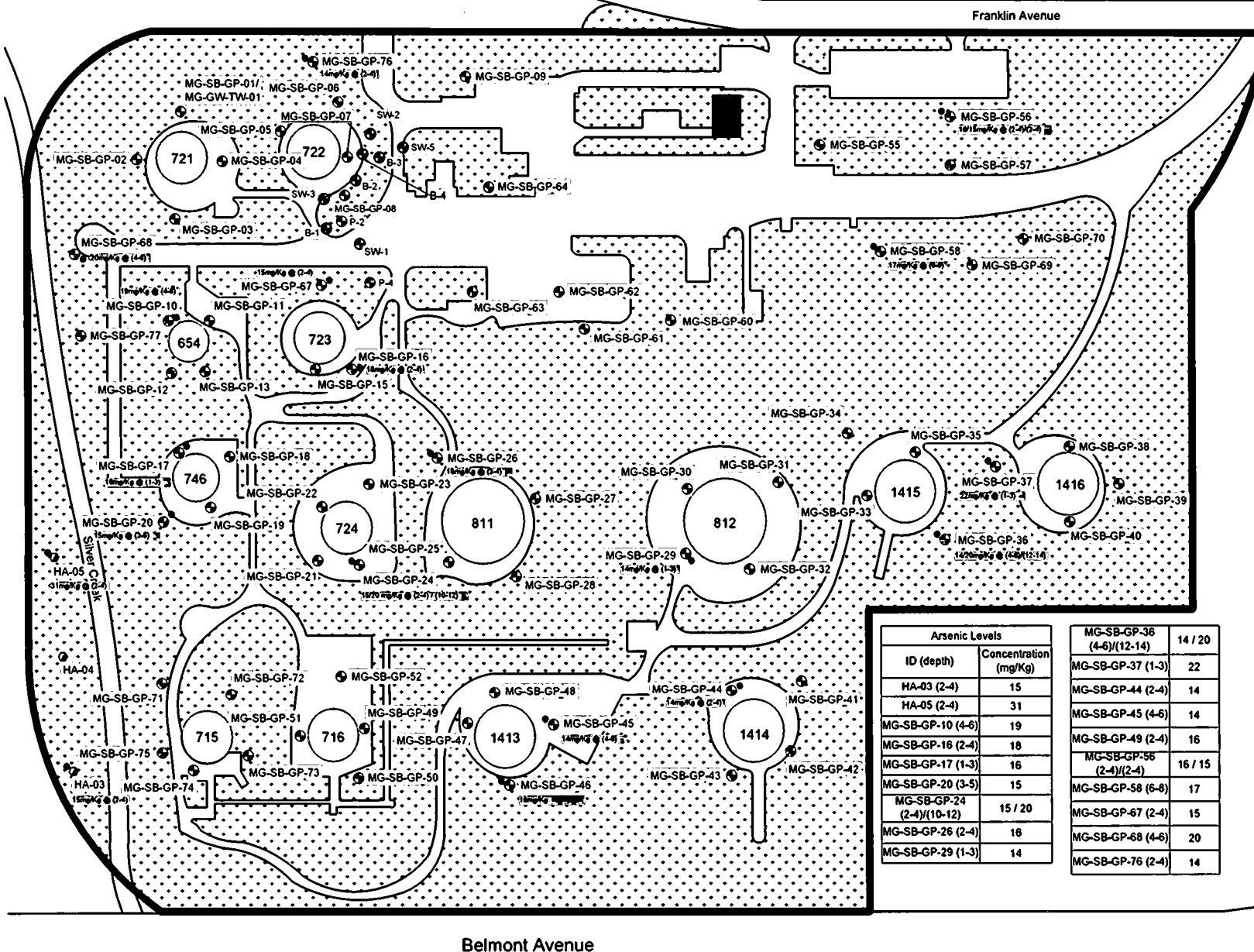
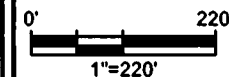
-  Building Structure
-  Aboveground Storage Tank
-  Monitoring Well
-  Dirty Boring Location
-  Contamination Plume
-  Sediment Sample Location
-  Soil Boring

**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 14: Arsenic  
Industrial/Commercial Ingestion  
**Date**  
6/25

Scale:



Arsenic Levels		MG-SB-GP-36 (4-6)/(12-14)	
ID (depth)	Concentration (mg/Kg)	MG-SB-GP-37 (1-3)	14 / 20
HA-03 (2-4)	15	MG-SB-GP-44 (2-4)	14
HA-05 (2-4)	31	MG-SB-GP-45 (4-6)	14
MG-SB-GP-10 (4-6)	19	MG-SB-GP-49 (2-4)	16
MG-SB-GP-16 (2-4)	18	MG-SB-GP-56 (2-4)/(2-4)	16 / 15
MG-SB-GP-17 (1-3)	16	MG-SB-GP-58 (6-8)	17
MG-SB-GP-20 (3-5)	15	MG-SB-GP-67 (2-4)	15
MG-SB-GP-24 (2-4)/(10-12)	15 / 20	MG-SB-GP-68 (4-6)	20
MG-SB-GP-26 (2-4)	16	MG-SB-GP-76 (2-4)	14
MG-SB-GP-29 (1-3)	14		

\*\* Note: Intermittent - No consistent plumes



egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

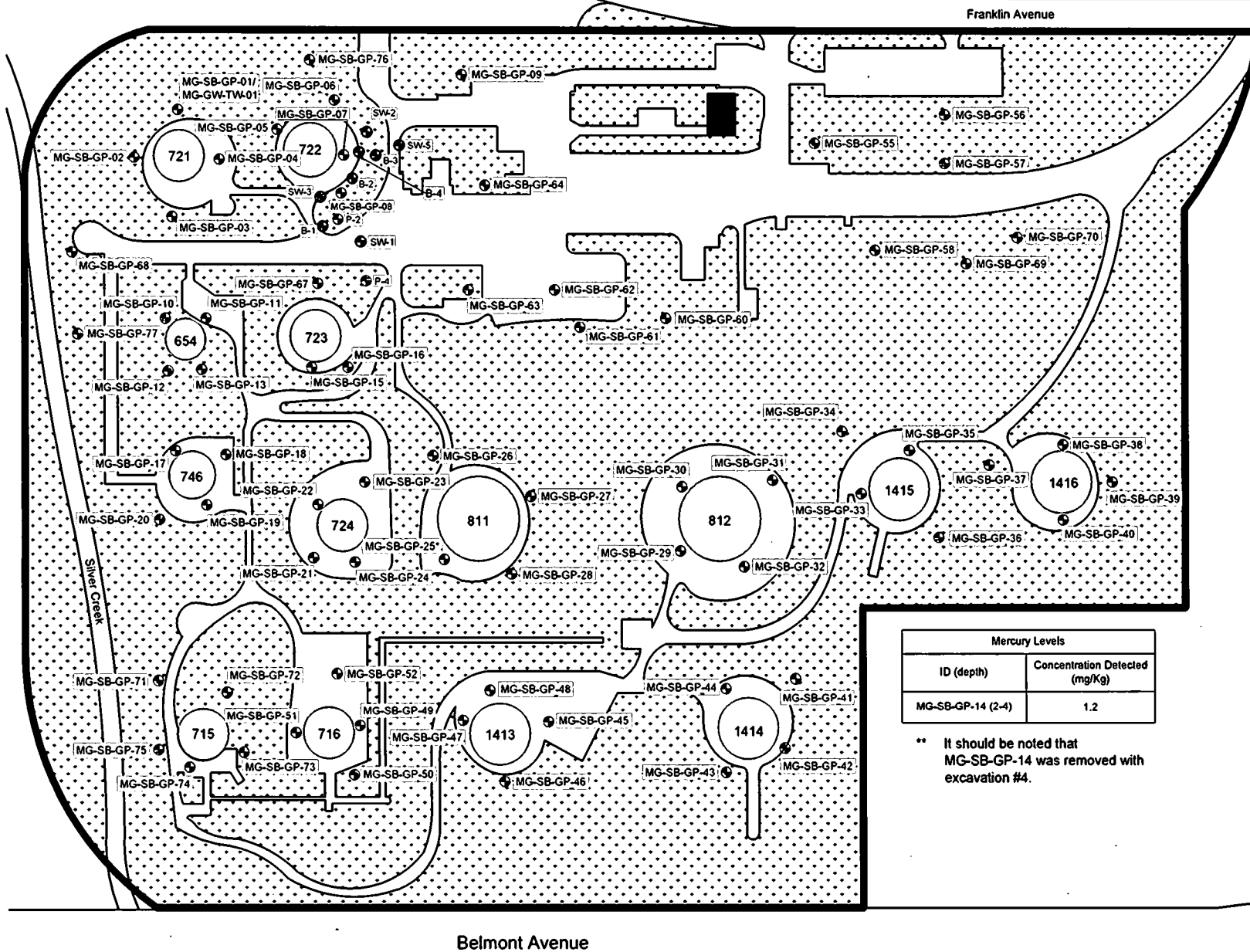
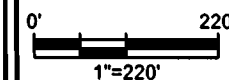
-  Building Structure
-  Aboveground Storage Tank
-  Monitoring Well
-  Dirty Boring Location
-  Contamination Plume
-  Soil Boring

**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 15: Mercury  
Construction Worker Inhalation  
**Date**  
6/25

Scale:



Mercury Levels	
ID (depth)	Concentration Detected (mg/Kg)
MG-SB-GP-14 (2-4)	1.2

\*\* It should be noted that  
MG-SB-GP-14 was removed with  
excavation #4.

## **APPENDIX D – R-26 Modeling Map**

---





egs

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

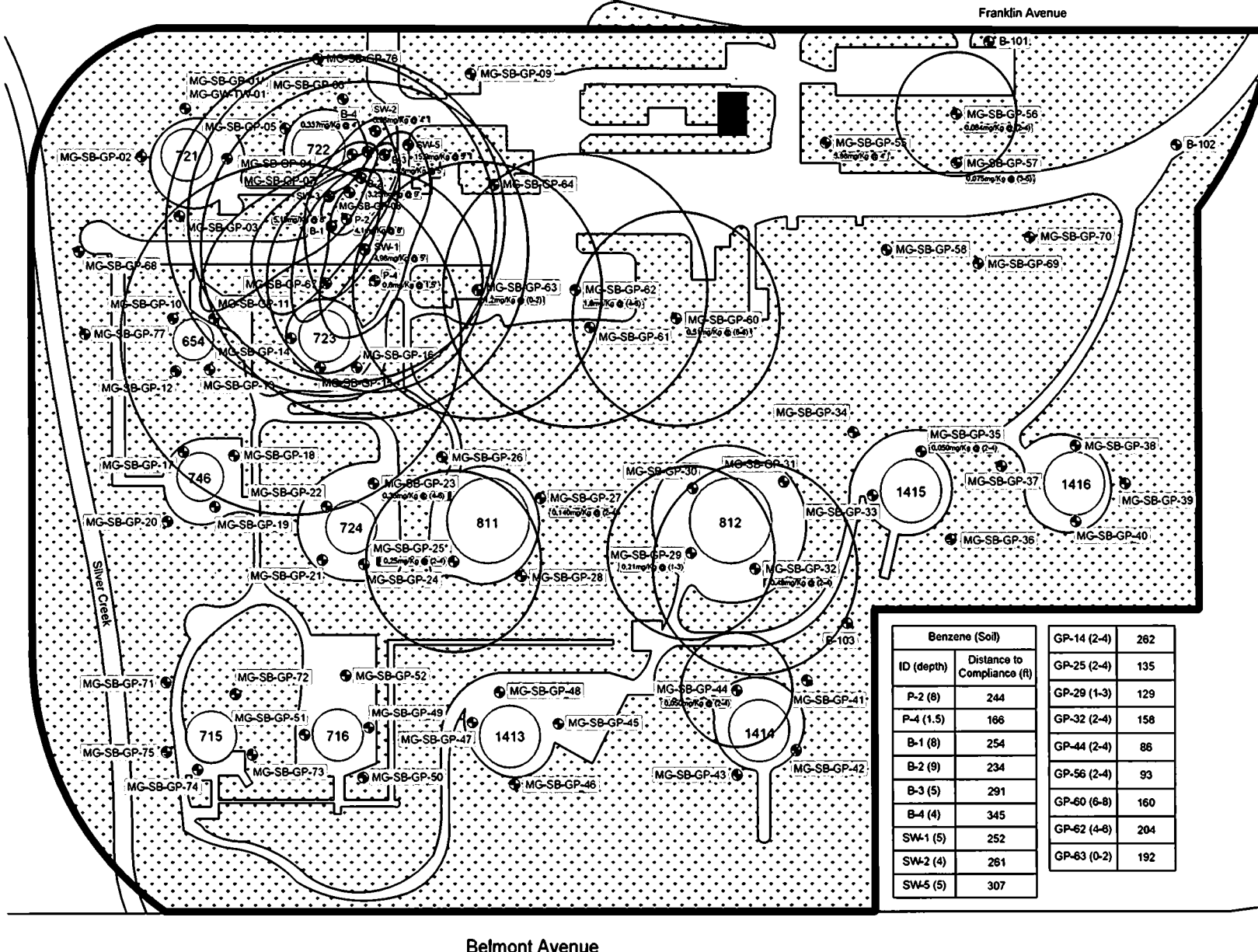
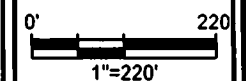
- Soil Boring
- Benzene  
Compliance  
Distance

**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 16: Soil to Class I  
Groundwater Modeling  
**Date**  
6/25

Scale:



Benzene (Soil)			
ID (depth)	Distance to Compliance (ft)		
P-2 (8)	244	GP-14 (2-4)	262
P-4 (1.5)	166	GP-25 (2-4)	135
B-1 (8)	254	GP-29 (1-3)	129
B-2 (9)	234	GP-32 (2-4)	158
B-3 (5)	291	GP-44 (2-4)	88
B-4 (4)	345	GP-56 (2-4)	93
SW-1 (5)	252	GP-60 (6-8)	160
SW-2 (4)	261	GP-62 (4-8)	204
SW-5 (5)	307	GP-63 (0-2)	192

## **APPENDIX E – Arsenic Excavation Documentation**

---

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

November 09, 2018

Environmental Group Services, Ltd.  
557 W. Polk  
Chicago, IL 60610  
Telephone: (312) 447-1200  
Fax: (312) 447-0922

Analytical Report for STAT Work Order: 18101083 Revision 1

RE: Franklin Park - Arsenic Conf.

Dear Bill Lennon:

STAT Analysis received 10 samples for the referenced project on 10/31/2018 1:57:00 PM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the last report revision.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

  
Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Environmental Group Services, Ltd.  
**Project:** Franklin Park - Arsenic Conf.  
**Work Order:** 18101083 Revision 1

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
18101083-001A	1-N		10/30/2018 12:00:00 PM	10/31/2018
18101083-002A	1-E		10/30/2018 12:10:00 PM	10/31/2018
18101083-003A	1-S		10/30/2018 12:20:00 PM	10/31/2018
18101083-004A	1-W		10/30/2018 12:30:00 PM	10/31/2018
18101083-005A	1-F		10/30/2018 12:40:00 PM	10/31/2018
18101083-006A	2-N		10/30/2018 12:50:00 PM	10/31/2018
18101083-007A	2-E		10/30/2018 1:00:00 PM	10/31/2018
18101083-008A	2-S		10/30/2018 1:10:00 PM	10/31/2018
18101083-009A	2-W		10/30/2018 1:20:00 PM	10/31/2018
18101083-010A	2-F		10/30/2018 1:30:00 PM	10/31/2018

---

---

**CLIENT:** Environmental Group Services, Ltd.**Project:** Franklin Park - Arsenic Conf.**Work Order:** 18101083 Revision 1

---

**CASE NARRATIVE**

At the customers request, sample 2-N (18101083-006) was re-digested and analyzed for total Arsenic. The results of the re-analysis are presented in this report.



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: November 09, 2018

Date Printed: November 09, 2018

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Project: Franklin Park - Arsenic Conf.

Work Order: 18101083 Revision 1

Lab ID: 18101083-001

Collection Date: 10/30/2018 12:00:00 PM

Client Sample ID 1-N

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/6/2018 Analyst: JG
Arsenic	8.3	1.1		mg/Kg-dry	10	11/6/2018

<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	19.7	0.2	*	wt%	1	11/3/2018

Lab ID: 18101083-002

Collection Date: 10/30/2018 12:10:00 PM

Client Sample ID 1-E

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/6/2018 Analyst: JG
Arsenic	6.6	1.1		mg/Kg-dry	10	11/6/2018

<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	19.5	0.2	*	wt%	1	11/3/2018

Lab ID: 18101083-003

Collection Date: 10/30/2018 12:20:00 PM

Client Sample ID 1-S

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/6/2018 Analyst: JG
Arsenic	10	1.1		mg/Kg-dry	10	11/7/2018

<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	19.8	0.2	*	wt%	1	11/3/2018

Lab ID: 18101083-004

Collection Date: 10/30/2018 12:30:00 PM

Client Sample ID 1-W

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/6/2018 Analyst: JG
Arsenic	10	1.1		mg/Kg-dry	10	11/7/2018

<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	19.8	0.2	*	wt%	1	11/3/2018

**Qualifiers:**

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- \* - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

**STAT Analysis Corporation**

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: November 09, 2018

Date Printed: November 09, 2018

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Project: Franklin Park - Arsenic Conf.

Work Order: 18101083 Revision 1

Lab ID: 18101083-005

Collection Date: 10/30/2018 12:40:00 PM

Client Sample ID 1-F

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/6/2018 Analyst: JG
Arsenic	6.5	1.0		mg/Kg-dry	10	11/7/2018
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	19.0	0.2	*	wt%	1	11/3/2018

Lab ID: 18101083-006

Collection Date: 10/30/2018 12:50:00 PM

Client Sample ID 2-N

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/7/2018 Analyst: JG
Arsenic	11	1.1		mg/Kg-dry	10	11/8/2018
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	19.4	0.2	*	wt%	1	11/3/2018

Lab ID: 18101083-007

Collection Date: 10/30/2018 1:00:00 PM

Client Sample ID 2-E

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/6/2018 Analyst: JG
Arsenic	7.0	1.1		mg/Kg-dry	10	11/7/2018
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	19.6	0.2	*	wt%	1	11/3/2018

Lab ID: 18101083-008

Collection Date: 10/30/2018 1:10:00 PM

Client Sample ID 2-S

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/6/2018 Analyst: JG
Arsenic	5.1	1.1		mg/Kg-dry	10	11/7/2018
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	18.7	0.2	*	wt%	1	11/3/2018

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: November 09, 2018

Date Printed: November 09, 2018

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Project: Franklin Park - Arsenic Conf.

Work Order: 18101083 · Revision 1

Lab ID: 18101083-009

Collection Date: 10/30/2018 1:20:00 PM

Client Sample ID 2-W

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/5/2018 Analyst: JG
Arsenic	13	1.1		mg/Kg-dry	10	11/6/2018
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	19.4	0.2	*	wt%	1	11/3/2018

Lab ID: 18101083-010

Collection Date: 10/30/2018 1:30:00 PM

Client Sample ID 2-F

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 11/5/2018 Analyst: JG
Arsenic	4.1	1.1		mg/Kg-dry	10	11/6/2018
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 11/2/2018 Analyst: RW
Percent Moisture	20.4	0.2	*	wt%	1	11/3/2018

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

001  
002  
003  
004  
005  
006  
007  
008  
009  
010

4.8 °C

**Sample Receipt Checklist**

Client Name **EGSL**

Date and Time Received: **10/31/2018 1:57:00 PM**

Work Order Number **18101083**

Received by: **EAA**

Checklist completed by:

EEL  
Signature

10/31/18  
Date

Reviewed by:

A. S.  
Initials

11/01/18  
Date

Matrix:

Carrier name Client Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature <b>4.8 °C</b>
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**Justice Kwateng**

---

**From:** Bill Lennon [Bill@egsl.com]  
**Sent:** Wednesday, November 07, 2018 3:04 PM  
**To:** Justice Kwateng; Mary Cappellini  
**Subject:** RE: Franklin Park - Arsenic Conf. STAT 18101083

Thank you, please re-run Sample 2-N, standard TAT



**Bill Lennon**  
**EGSL**  
557 West Polk Street Suite  
201  
Chicago, IL 60607  
t. 312.447.1200 x315  
f. 312.447.0922  
[bill@egsl.com](mailto:bill@egsl.com)  
[www.egsl.com](http://www.egsl.com)

---

**From:** Justice Kwateng <JKwateng@STATAnalysis.com>  
**Sent:** Wednesday, November 7, 2018 3:02 PM  
**To:** Bill Lennon <Bill@egsl.com>; Mary Cappellini <Mary@egsl.com>  
**Subject:** Franklin Park - Arsenic Conf. STAT 18101083

Please find the attached report and invoice for your Franklin Park - Arsenic Conf. project.  
STAT 18101083

Thank you for choosing STAT for your testing needs.

In an effort to increase efficiency and conserve resources, STAT Analysis has adopted paperless reporting. The attached pdf files can be printed as the final copy. You will not receive a hardcopy in the mail.

Best Regards,

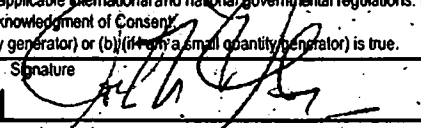
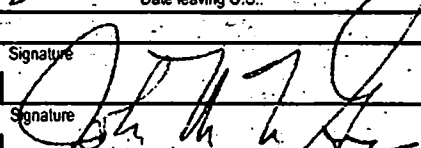
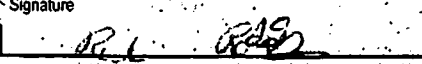
Justice Kwateng  
STAT Analysis Corporation  
(312) 733-0551

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<<18101083(EGSL)Rev0.pdf>> <<18101083(EGSL)Rev0.xls>> <<18101083(EGSL)Rev0\_Invoice.pdf>>  
<<18101083(EGSL)Rev0\_TACOind.xls>> <<18101083(EGSL)Rev0\_TACOres.xls>>

Please print or type.

Form Approved. OMB No. 2050-0039

<b>UNIFORM WASTE MANIFEST</b>		1. Generator ID Number <b>0434825101</b>	2. Page 1 of 1	3. Emergency Response Phone <b>(630) 529-0240</b>	4. Manifest Tracking Number <b>019266001 JJK</b>
5. Generator's Name and Mailing Address <b>North Branch Environmental 50 N Garden Ave Belle, IL 60172 (630) 529-0240</b>			Generator's Site Address (if different than mailing address)		
6. Transporter 1 Company Name <b>North Branch Environmental</b>			U.S. EPA ID Number <b>IL.D000031977</b>		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>American Waste Industries 2010 W. Madison Street Maywood, IL 60153 (708) 681-3999</b>			U.S. EPA ID Number <b>0311830002 IL.D000716294</b>		
Facility's Phone:					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group, if any)	10. Containers No.	Type	11. Total Quantity	12. Unit Wt/Vol
	1. <b>Non-Hazardous, Non-DOT Regulated Waste</b>	<b>002</b>	<b>DR</b>	<b>110</b>	
	2. <b>FROM: 11-15-18</b>				
	3. <b>10601 FRANKLIN AVE</b>				
	4. <b>FRANKLIN PARK, IL</b>				
	5. <b>2 DRUMS SOIL</b>				
14. Special Handling Instructions and Additional Information  <b>Work Order 118397</b>					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
Generator's/Officer's Printed/Typed Name <b>John M. Guine</b>			Signature 		Month Day Year <b>11 15 18</b>
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <b>John M. Guine</b>			Signature 		Month Day Year <b>11 15 18</b>
Transporter 2 Printed/Typed Name			Signature		Month Day Year
18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input checked="" type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
18b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone:					
18c. Signature of Alternate Facility (or Generator) Month Day Year					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
1.		2.		3.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a					
Printed/Typed Name <b>Rick Ruck</b>			Signature 		Month Day Year <b>11 15 18</b>

## **APPENDIX F – Institutional Controls Documentation**

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egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:



Soil Boring



Construction  
Worker Caution

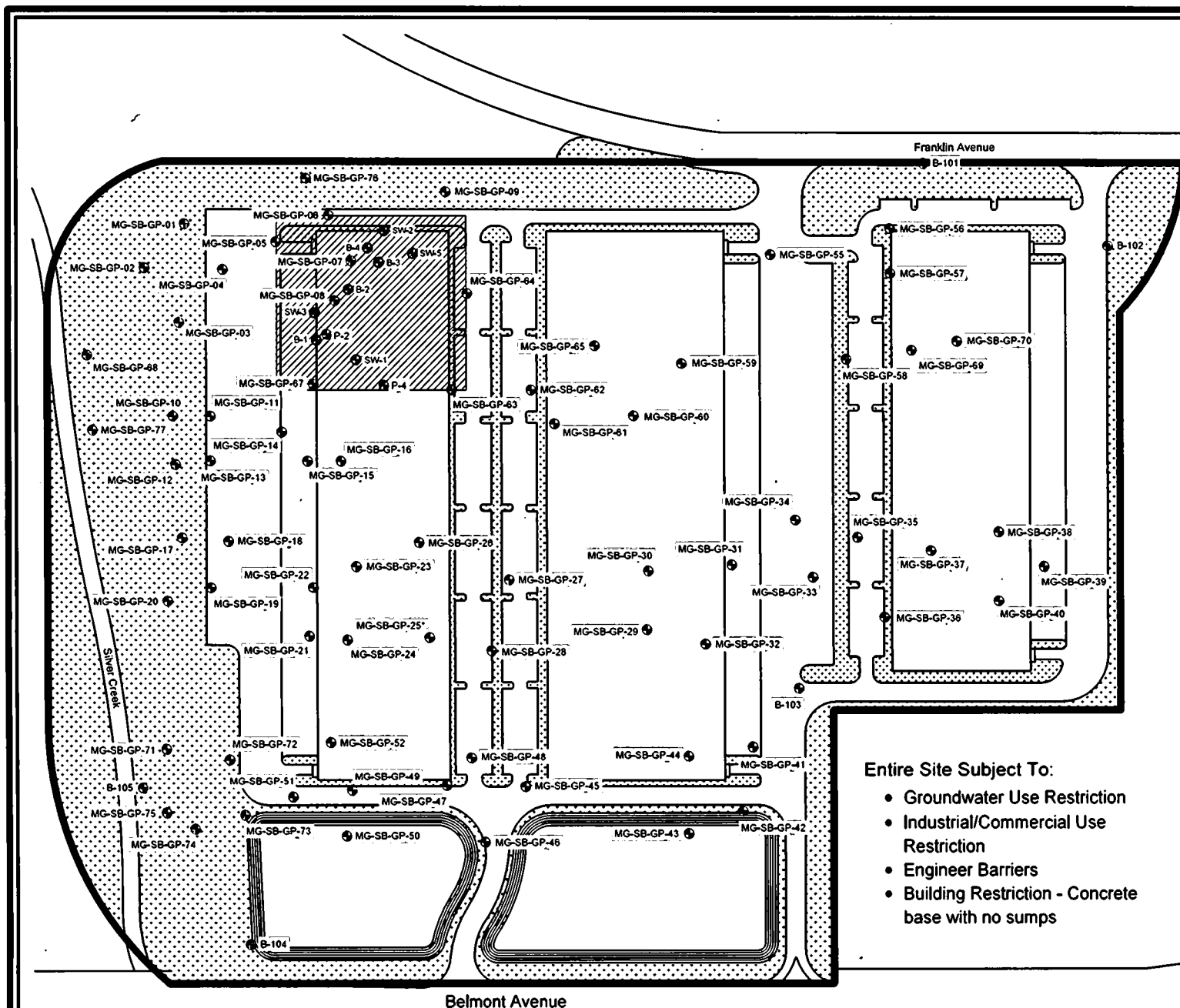
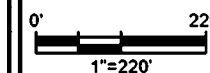
Subject Property:  
10601 Franklin Ave  
Franklin Park, IL

EGSL Project No.  
1703287

Drawing Title  
Figure 18: Institutional  
Controls Map

Date  
6/25

Scale:



Entire Site Subject To:

- Groundwater Use Restriction
- Industrial/Commercial Use Restriction
- Engineer Barriers
- Building Restriction - Concrete base with no sumps

## **APPENDIX G – Final Site Base Map, PIN & Legal Description**

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Site Base Map  
0310965121/Cook County  
Franklin Park/Magellan Pipeline  
Site Remediation Technical Reports

REMEDIA-  
TION  
SITE BOUNDARY

Franklin Avenue

Silver Creek

REMEDIA-  
TION  
SITE BOUNDARY

Belmont Avenue

Entire Site Subject To:

- Groundwater Use Restriction
- Industrial/Commercial Use Restriction
- Engineered Barriers
- Building Restriction - Slab-on-grade with no sumps



egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

- Remediation Site Boundary
- Engineered Barrier Concrete Building Foundation
- Engineered Barrier Asphalt/Concrete Pavement
- Engineered Barrier 1.5' Clean Fill Underlain by Mirafi 180N

Subject Property:  
10601 Franklin Ave  
Franklin Park, IL

EGSL Project No.  
1703287

Drawing Title  
SITE BASE MAP

Date  
10/25/2018

Scale:

0' 220'  
1"=220'



**LOT 1 – BRIDGE POINT FRANKLIN PARK SUBDIVISION LEGAL DESCRIPTION**

LOT 1 IN BRIDGE POINT FRANKLIN PARK SUBDIVISION, BEING A SUBDIVISION OF PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 25, 2018 AS DOCUMENT 1820619201, IN COOK COUNTY, ILLINOIS.

ALSO DESCRIBED AS FOLLOWS:

THAT PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 1 IN LAPHROP STAR SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 24, 1997 AS DOCUMENT 9779220 BEING ALSO A POINT ON THE SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE AS DEDICATED PER DOCUMENT 17808231; THENCE ALONG THE WESTERLY LINE OF LOT 1 AND LOT 2 IN SAID LAPHROP STAR SUBDIVISION FOR THE FOLLOWING 3 COURSES: 1) THENCE SOUTH 16 DEGREES 15 MINUTES 39 SECONDS WEST, A DISTANCE OF 105.15 FEET; 2) THENCE SOUTH 36 DEGREES 51 MINUTES 19 SECONDS WEST, A DISTANCE OF 158.52 FEET; 3) THENCE SOUTH 02 DEGREES 10 MINUTES 19 SECONDS EAST, A DISTANCE OF 635.66 FEET TO THE NORTH LINE OF THE SOUTH 13 ACRES OF THE SOUTHEAST QUARTER OF SAID SOUTHEAST QUARTER AS MONUMENTED AND OCCUPIED; THENCE SOUTH 88 DEGREES 27 MINUTES 38 SECONDS WEST ALONG SAID NORTH LINE, A DISTANCE OF 490.09 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 07 SECONDS EAST, A DISTANCE OF 860.53 FEET TO THE SOUTH RIGHT-OF-WAY OF SAID FRANKLIN AVENUE; THENCE NORTH 88 DEGREES 29 MINUTES 01 SECONDS EAST, A DISTANCE OF 590.53 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

CONTAINING 425,370 SQUARE FEET OR 9.765 ACRES MORE OR LESS.

The PIN for the entire site is 12-20-401-020.

**LOT 2 – BRIDGE POINT FRANKLIN PARK SUBDIVISION LEGAL DESCRIPTION**

LOT 2 IN BRIDGE POINT FRANKLIN PARK SUBDIVISION, BEING A SUBDIVISION OF PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 25, 2018 AS DOCUMENT 1820619201, IN COOK COUNTY, ILLINOIS.

ALSO DESCRIBED AS FOLLOWS:

THAT PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 1 IN LAPHROP STAR SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 24, 1997 AS DOCUMENT 9779220 BEING ALSO A POINT ON THE SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE AS DEDICATED PER DOCUMENT 17808231; THENCE SOUTH 88 DEGREES 29 MINUTES 01 SECONDS WEST ALONG SAID SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE, A DISTANCE OF 590.53 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 00 DEGREES 00 MINUTES 07 SECONDS WEST, A DISTANCE OF 860.53 FEET TO THE NORTH LINE OF THE SOUTH 13 ACRES OF THE SOUTHEAST QUARTER OF SAID SOUTHEAST QUARTER AS MONUMENTED AND OCCUPIED; THENCE SOUTH 88 DEGREES 27 MINUTES 38 SECONDS WEST ALONG SAID NORTH LINE, A DISTANCE OF 27.35 FEET TO THE WEST LINE OF THE SOUTHEAST QUARTER OF SAID SOUTHEAST QUARTER AS MONUMENTED AND OCCUPIED; THENCE SOUTH 02 DEGREES 03 MINUTES 52 SECONDS EAST ALONG SAID WEST LINE, A DISTANCE OF 428.55 FEET TO SOUTH LINE OF SAID SOUTHEAST QUARTER BEING ALSO THE NORTH RIGHT-OF-WAY OF BELMONT AVENUE AS MONUMENTED AND OCCUPIED; THENCE SOUTH 88 DEGREES 30 MINUTES 32 SECONDS WEST ALONG SAID SOUTH LINE, A DISTANCE OF 634.11 FEET; THENCE NORTH 00 DEGREES 31 MINUTES 23 SECONDS WEST, A DISTANCE OF 45.45 FEET TO A TANGENT CURVE; THENCE NORTHERLY ALONG SAID TANGENT CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 67.50 FEET SUBTENDING A CHORD BEARING NORTH 05 DEGREES 57 MINUTES 57 SECONDS WEST, AN ARC DISTANCE OF 15.29 FEET TO A RADIAL CURVE; THENCE NORTHERLY ALONG SAID RADIAL CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 169.00 FEET SUBTENDING A CHORD BEARING NORTH 22 DEGREES 07 MINUTES 47 SECONDS EAST, AN ARC DISTANCE OF 57.07 FEET TO A POINT OF REVERSE CURVATURE; THENCE NORTHERLY ALONG SAID REVERSE CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 243.00 FEET SUBTENDING A CHORD BEARING NORTH 15 DEGREES 54 MINUTES 09 SECONDS EAST, AN ARC DISTANCE OF 134.89 FEET TO A TANGENT LINE; THENCE NORTH 00 DEGREES 00 MINUTES 02 SECONDS EAST, A DISTANCE OF 1066.47 FEET; THENCE NORTH 89 DEGREES 09 MINUTES 32 SECONDS EAST, A DISTANCE OF 365.93 FEET TO SAID SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE BEING A POINT ON A CURVE; THENCE EASTERLY ALONG SAID CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 1519.41 FEET SUBTENDING A CHORD BEARING SOUTH 87 DEGREES 46 MINUTES 27 SECONDS EAST, AN ARC DISTANCE OF 198.49 FEET TO A TANGENT LINE; THENCE NORTH 88 DEGREES 29 MINUTES 01 SECONDS EAST ALONG SAID TANGENT LINE BEING ALSO SAID SOUTHERLY RIGHT-OF-WAY LINE OF FRANKLIN AVENUE, A DISTANCE OF 22.67 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

CONTAINING 761,961 SQUARE FEET OR 17.492 ACRES MORE OR LESS.

The PIN for the entire site is 12-20-401-020.

## **APPENDIX H – Landscaping TCL Analytical Data**

---

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001 19010565-002 19010565-003 19010565-004 19010565-005  
 Client Sample ID : A-1 A-2 A-3 A-4 A-5  
 Date Collected : 01/22/2019 06:00 01/22/2019 06:15 01/22/2019 06:30 01/22/2019 06:45 01/22/2019 07:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values							
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II						
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	< 0.078	< 0.082	< 0.090	< 0.087	< 0.071	
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	< 0.010	< 0.011	< 0.012	< 0.012	< 0.0095	
78-93-3	2-Butanone							< 0.078	< 0.082	< 0.090	< 0.087	< 0.071	
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	< 0.052	< 0.054	< 0.060	< 0.058	< 0.047	
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
75-00-3	Chloroethane							< 0.010	< 0.011	< 0.012	< 0.012	< 0.0095	
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
74-87-3	Chloromethane							< 0.010	< 0.011	< 0.012	< 0.012	< 0.0095	
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0020	< 0.0021	< 0.0024	< 0.0023	< 0.0019	
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0020	< 0.0021	< 0.0024	< 0.0023	< 0.0019	
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
591-78-6	2-Hexanone							< 0.020	< 0.021	< 0.024	< 0.023	< 0.019	
108-10-1	4-Methyl-2-pentanone							< 0.020	< 0.021	< 0.024	< 0.023	< 0.019	
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	< 0.010	< 0.011	< 0.012	< 0.012	< 0.0095	
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
79-34-5	1,1,2,2-Tetrachloroethane							< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
108-88-3	Toluene	16,000	650	410,000	42	12	29	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	< 0.0052	< 0.0054	< 0.0060	< 0.0058	< 0.0047	
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	< 0.016	< 0.016	< 0.017	< 0.018	< 0.014	

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)**

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-006 19010565-007 19010565-008 19010565-009 19010565-010  
Client Sample ID : A-6 A-7 A-8 A-9 A-10  
Date Collected : 01/22/2019 07:15 01/22/2019 07:30 01/22/2019 07:45 01/22/2019 08:00 01/22/2019 08:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values						
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II					
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	< 0.079	< 0.093	< 0.10	< 0.079	0.17
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	< 0.011	< 0.012	< 0.014	< 0.011	< 0.014
78-93-3	2-Butanone							< 0.079	< 0.093	< 0.10	< 0.079	< 0.11
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	< 0.052	< 0.062	< 0.068	< 0.053	< 0.071
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
75-00-3	Chloroethane							< 0.011	< 0.012	< 0.014	< 0.011	< 0.014
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
74-87-3	Chloromethane							< 0.011	< 0.012	< 0.014	< 0.011	< 0.014
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0022	< 0.0025	< 0.0028	< 0.0022	< 0.0028
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0022	< 0.0025	< 0.0028	< 0.0022	< 0.0028
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
591-78-6	2-Hexanone							< 0.022	< 0.025	< 0.028	< 0.022	< 0.028
108-10-1	4-Methyl-2-pentanone							< 0.022	< 0.025	< 0.028	< 0.022	< 0.028
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	< 0.011	< 0.012	< 0.014	< 0.011	< 0.014
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
79-34-5	1,1,2,2-Tetrachloroethane							< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
108-88-3	Toluene	16,000	650	410,000	42	12	29	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	< 0.0052	< 0.0062	< 0.0068	< 0.0053	< 0.0071
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	< 0.015	< 0.018	< 0.020	< 0.016	< 0.021

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)**

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-011 19010565-012 19010565-013 19010565-014 19010565-015  
Client Sample ID : A-11 A-12 A-13 A-14 A-15  
Date Collected : 01/22/2019 08:30 01/22/2019 08:45 01/22/2019 09:00 01/22/2019 09:15 01/22/2019 09:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values						
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II					
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	0.15	< 0.085	< 0.076	< 0.078	0.084
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	< 0.012	< 0.011	< 0.010	< 0.011	< 0.011
78-93-3	2-Butanone							< 0.092	< 0.085	< 0.076	< 0.078	< 0.083
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	< 0.062	< 0.058	< 0.050	< 0.052	< 0.055
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
75-00-3	Chloroethane							< 0.012	< 0.011	< 0.010	< 0.011	< 0.011
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
74-87-3	Chloromethane							< 0.012	< 0.011	< 0.010	< 0.011	< 0.011
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0024	< 0.0023	< 0.0020	< 0.0021	< 0.0022
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0024	< 0.0023	< 0.0020	< 0.0021	< 0.0022
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
591-78-6	2-Hexanone							< 0.024	< 0.023	< 0.020	< 0.021	< 0.022
108-10-1	4-Methyl-2-pentanone							< 0.024	< 0.023	< 0.020	< 0.021	< 0.022
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	< 0.012	< 0.011	< 0.010	< 0.011	< 0.011
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
79-34-5	1,1,2,2-Tetrachloroethane							< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
108-88-3	Toluene	16,000	650	410,000	42	12	29	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	< 0.0062	< 0.0058	< 0.0050	< 0.0052	< 0.0055
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	< 0.018	< 0.018	< 0.015	< 0.016	< 0.017

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)**

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-016 19010565-017  
Client Sample ID : A-16 A-17  
Date Collected : 01/22/2019 09:45 01/22/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	< 0.082	< 0.076
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	< 0.0054	< 0.0051
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	< 0.0054	< 0.0051
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	< 0.0054	< 0.0051
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	< 0.011	< 0.010
78-93-3	2-Butanone							< 0.082	< 0.076
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	< 0.054	< 0.051
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	< 0.0054	< 0.0051
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	< 0.0054	< 0.0051
75-00-3	Chloroethane							< 0.011	< 0.010
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	< 0.0054	< 0.0051
74-87-3	Chloromethane							< 0.011	< 0.010
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	< 0.0054	< 0.0051
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	< 0.0054	< 0.0051
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	< 0.0054	< 0.0051
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	< 0.0054	< 0.0051
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	< 0.0054	< 0.0051
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	< 0.0054	< 0.0051
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	< 0.0054	< 0.0051
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0022	< 0.0020
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0022	< 0.0020
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	< 0.0054	< 0.0051
591-78-6	2-Hexanone							< 0.022	< 0.020
108-10-1	4-Methyl-2-pentanone							< 0.022	< 0.020
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	< 0.011	< 0.010
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	< 0.0054	< 0.0051
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	< 0.0054	< 0.0051
79-34-5	1,1,2,2-Tetrachloroethane							< 0.0054	< 0.0051
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	< 0.0054	< 0.0051
108-88-3	Toluene	16,000	650	410,000	42	12	29	< 0.0054	< 0.0051
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	< 0.0054	< 0.0051
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	< 0.0054	< 0.0051
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	< 0.0054	< 0.0051
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	< 0.0054	< 0.0051
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	< 0.017	< 0.015

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001 19010565-002 19010565-003 19010565-004

Client Sample ID : A-1 A-2 A-3 A-4

Date Collected : 01/22/2019 06:00 01/22/2019 06:15 01/22/2019 06:30 01/22/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.040	< 0.041	< 0.041	< 0.041
208-96-8	Acenaphthylene							< 0.040	< 0.041	< 0.041	< 0.041
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.040	< 0.041	< 0.041	< 0.041
56-55-3	Benz(a)anthracene	0.9	---	170	---	2	8	< 0.040	< 0.041	< 0.041	< 0.041
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.040	< 0.041	< 0.041	< 0.041
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.040	< 0.041	< 0.041	< 0.041
191-24-2	Benzo(g,h,i)perylene							< 0.040	< 0.041	< 0.041	< 0.041
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.040	< 0.041	< 0.041	< 0.041
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.040	< 0.041	< 0.041	< 0.041
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.040	< 0.041	< 0.041	< 0.041
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.040	< 0.041	< 0.041	< 0.041
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.040	< 0.041	< 0.041	< 0.041
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.040	< 0.041	< 0.041	< 0.041
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	< 0.040	< 0.041	< 0.041	< 0.041
85-01-8	Phenanthrene							< 0.040	< 0.041	< 0.041	< 0.041
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.040	< 0.041	< 0.041	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-005 19010565-006 19010565-007 19010565-008  
Client Sample ID : A-5 A-6 A-7 A-8  
Date Collected : 01/22/2019 07:00 01/22/2019 07:15 01/22/2019 07:30 01/22/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.041	< 0.042	< 0.042	< 0.041
208-96-8	Acenaphthylene							< 0.041	< 0.042	< 0.042	< 0.041
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.041	< 0.042	< 0.042	< 0.041
56-55-3	Benzo(a)anthracene	0.9	---	170	---	2	8	< 0.041	< 0.042	< 0.042	< 0.041
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.041	< 0.042	< 0.042	< 0.041
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.041	< 0.042	< 0.042	< 0.041
191-24-2	Benzo(g,h,i)perylene							< 0.041	< 0.042	< 0.042	< 0.041
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.041	< 0.042	< 0.042	< 0.041
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.041	< 0.042	< 0.042	< 0.041
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.041	< 0.042	< 0.042	< 0.041
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.041	< 0.042	< 0.042	< 0.041
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.041	< 0.042	< 0.042	< 0.041
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.041	< 0.042	< 0.042	< 0.041
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	< 0.041	< 0.042	< 0.042	< 0.041
85-01-8	Phenanthrene							< 0.041	< 0.042	< 0.042	< 0.041
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.041	< 0.042	< 0.042	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)**

Client: Environmental Group Services, Ltd.  
 Project: Franklin-EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-009 19010565-010 19010565-011 19010565-012  
 Client Sample ID : A-9 A-10 A-11 A-12  
 Date Collected : 01/22/2019 08:00 01/22/2019 08:15 01/22/2019 08:30 01/22/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.039	< 0.041	< 0.042	< 0.041
208-96-8	Acenaphthylene							< 0.039	< 0.041	< 0.042	< 0.041
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.039	< 0.041	< 0.042	< 0.041
56-55-3	Benzo(a)anthracene	0.9	---	170	---	2	8	< 0.039	< 0.041	< 0.042	< 0.041
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.039	< 0.041	< 0.042	< 0.041
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.039	< 0.041	< 0.042	< 0.041
191-24-2	Benzo(g,h,i)perylene							< 0.039	< 0.041	< 0.042	< 0.041
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.039	< 0.041	< 0.042	< 0.041
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.039	< 0.041	< 0.042	< 0.041
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.039	< 0.041	< 0.042	< 0.041
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.039	< 0.041	< 0.042	< 0.041
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.039	< 0.041	< 0.042	< 0.041
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.039	< 0.041	< 0.042	< 0.041
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	< 0.039	< 0.041	< 0.042	< 0.041
85-01-8	Phenanthrene							< 0.039	< 0.041	< 0.042	< 0.041
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.039	< 0.041	< 0.042	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-013 19010565-014 19010565-015 19010565-016  
Client Sample ID : A-13 A-14 A-15 A-16  
Date Collected : 01/22/2019 09:00 01/22/2019 09:15 01/22/2019 09:30 01/22/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.040	< 0.043	< 0.043	< 0.043
208-96-8	Acenaphthylene							< 0.040	< 0.043	< 0.043	< 0.043
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.040	< 0.043	< 0.043	< 0.043
56-55-3	Benz(a)anthracene	0.9	---	170	---	2	8	< 0.040	< 0.043	< 0.043	< 0.043
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.040	< 0.043	< 0.043	< 0.043
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.040	< 0.043	< 0.043	< 0.043
191-24-2	Benzo(g,h,i)perylene							< 0.040	< 0.043	< 0.043	< 0.043
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.040	< 0.043	< 0.043	< 0.043
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.040	< 0.043	< 0.043	< 0.043
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.040	< 0.043	< 0.043	< 0.043
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.040	< 0.043	< 0.043	< 0.043
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.040	< 0.043	< 0.043	< 0.043
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.040	< 0.043	< 0.043	< 0.043
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	< 0.040	< 0.043	< 0.043	< 0.043
85-01-8	Phenanthrene							< 0.040	< 0.043	< 0.043	< 0.043
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.040	< 0.043	< 0.043	< 0.043

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-017  
Client Sample ID : A-17  
Date Collected : 01/22/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.041
208-96-8	Acenaphthylene							< 0.041
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.041
56-55-3	Benzo(a)anthracene	0.9	---	170	---	2	8	< 0.041
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.041
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.041
191-24-2	Benzo(g,h,i)perylene							< 0.041
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.041
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.041
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.041
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.041
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.041
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.041
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	< 0.041
85-01-8	Phenanthrene							< 0.041
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001 19010565-002

Client Sample ID : A-1 A-2

Date Collected : 01/22/2019 06:00 01/22/2019 06:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.20	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.20	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.20	< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.20	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.20	< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.20	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.20	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.20	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.20	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 0.99	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040	< 0.041
91-58-7	2-Chloronaphthalene							< 0.20	< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.20	< 0.21
91-57-6	2-Methylnaphthalene							< 0.20	< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.20	< 0.21
88-74-4	2-Nitroaniline							< 0.20	< 0.21
88-75-5	2-Nitrophenol							< 0.20	< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.20	< 0.21
99-09-2	3-Nitroaniline							< 0.20	< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40	< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.20	< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.40	< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.20	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.20	< 0.21
106-44-5	4-Methylphenol							< 0.20	< 0.21
100-01-6	4-Nitroaniline							< 0.20	< 0.21
100-02-7	4-Nitrophenol							< 0.40	< 0.41
62-53-3	Aniline							< 0.40	< 0.41
92-87-5	Benzidine							< 0.40	< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 0.99	< 1.0
100-51-6	Benzyl alcohol							< 0.20	< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.20	< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.20	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 0.99	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.20	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.20	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.20	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.20	< 0.21
132-64-9	Dibenzofuran							< 0.20	< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.20	< 0.21
131-11-3	Dimethyl phthalate							< 0.20	< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.20	< 0.21
87-68-3	Hexachlorobutadiene							< 0.20	< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.20	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.20	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.20	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.20	< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.20	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.080	< 0.083
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.20	< 0.21
110-86-1	Pyridine							< 0.92	< 0.96

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-003 19010565-004

Client Sample ID : A-3 A-4

Date Collected : 01/22/2019 06:30 01/22/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	<0.21	<0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	<0.21	<0.21
541-73-1	1,3-Dichlorobenzene							<0.21	<0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	<0.21	<0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							<0.21	<0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	<0.21	<0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	<0.21	<0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	<0.21	<0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	<0.21	<0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	<1.0	<1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	<0.041	<0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	<0.041	<0.041
91-58-7	2-Chloronaphthalene							<0.21	<0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	<0.21	<0.21
91-57-6	2-Methylnaphthalene							<0.21	<0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	<0.21	<0.21
88-74-4	2-Nitroaniline							<0.21	<0.21
88-75-5	2-Nitrophenol							<0.21	<0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	<0.21	<0.21
99-09-2	3-Nitroaniline							<0.21	<0.21
534-52-1	4,6-Dinitro-2-methylphenol							<0.41	<0.41
101-55-3	4-Bromophenyl phenyl ether							<0.21	<0.21
59-50-7	4-Chloro-3-methylphenol							<0.41	<0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	<0.21	<0.21
7005-72-3	4-Chlorophenyl phenyl ether							<0.21	<0.21
106-44-5	4-Methylphenol							<0.21	<0.21
100-01-6	4-Nitroaniline							<0.21	<0.21
100-02-7	4-Nitrophenol							<0.41	<0.41
62-53-3	Aniline							<0.41	<0.41
92-87-5	Benzidine							<0.41	<0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	<1.0	<1.0
100-51-6	Benzyl alcohol							<0.21	<0.21
111-91-1	Bis(2-chloroethoxy)methane							<0.21	<0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	<0.21	<0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	<1.0	<1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	<0.21	<0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	<0.21	<0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	<0.21	<0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	<0.21	<0.21
132-64-9	Dibenzofuran							<0.21	<0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	<0.21	<0.21
131-11-3	Dimethyl phthalate							<0.21	<0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	<0.21	<0.21
87-68-3	Hexachlorobutadiene							<0.21	<0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	<0.21	<0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	<0.21	<0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	<0.21	<0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	<0.041	<0.041
62-75-9	N-Nitrosodimethylamine							<0.21	<0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	<0.21	<0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	<0.041	<0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	<0.083	<0.083
108-95-2	Phenol	23,000	---	61,000	---	100	100	<0.21	<0.21
110-86-1	Pyridine							<0.96	<0.95

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-005 19010565-006

Client Sample ID : A-5 A-6

Date Collected : 01/22/2019 07:00 01/22/2019 07:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	<0.21	<0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	<0.21	<0.21
541-73-1	1,3-Dichlorobenzene							<0.21	<0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	<0.21	<0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							<0.21	<0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	<0.21	<0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	<0.21	<0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	<0.21	<0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	<0.21	<0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	<1.0	<1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	<0.041	<0.042
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	<0.041	<0.042
91-58-7	2-Chloronaphthalene							<0.21	<0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	<0.21	<0.21
91-57-6	2-Methylnaphthalene							<0.21	<0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	<0.21	<0.21
88-74-4	2-Nitroaniline							<0.21	<0.21
88-75-5	2-Nitrophenol							<0.21	<0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	<0.21	<0.21
99-09-2	3-Nitroaniline							<0.21	<0.21
534-52-1	4,6-Dinitro-2-methylphenol							<0.41	<0.42
101-55-3	4-Bromophenyl phenyl ether							<0.21	<0.21
59-50-7	4-Chloro-3-methylphenol							<0.41	<0.42
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	<0.21	<0.21
7005-72-3	4-Chlorophenyl phenyl ether							<0.21	<0.21
106-44-5	4-Methylphenol							<0.21	<0.21
100-01-6	4-Nitroaniline							<0.21	<0.21
100-02-7	4-Nitrophenol							<0.41	<0.42
62-53-3	Aniline							<0.41	<0.42
92-87-5	Benzidine							<0.41	<0.42
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	<1.0	<1.0
100-51-6	Benzyl alcohol							<0.21	<0.21
111-91-1	Bis(2-chloroethoxy)methane							<0.21	<0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	<0.21	<0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	<1.0	<1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	<0.21	<0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	<0.21	<0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	<0.21	<0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	<0.21	<0.21
132-64-9	Dibenzofuran							<0.21	<0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	<0.21	<0.21
131-11-3	Dimethyl phthalate							<0.21	<0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	<0.21	<0.21
87-68-3	Hexachlorobutadiene							<0.21	<0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	<0.21	<0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	<0.21	<0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	<0.21	<0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	<0.041	<0.042
62-75-9	N-Nitrosodimethylamine							<0.21	<0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	<0.21	<0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	<0.041	<0.042
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	<0.083	<0.084
108-95-2	Phenol	23,000	---	61,000	---	100	100	<0.21	<0.21
110-86-1	Pyridine							<0.95	<0.97

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-007 19010565-008

Client Sample ID : A-7 A-8

Date Collected : 01/22/2019 07:30 01/22/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.22	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.22	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.22	< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.22	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.22	< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.22	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.22	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.22	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.22	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.1	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.042	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.042	< 0.041
91-58-7	2-Chloronaphthalene							< 0.22	< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.22	< 0.21
91-57-6	2-Methylnaphthalene							< 0.22	< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.22	< 0.21
88-74-4	2-Nitroaniline							< 0.22	< 0.21
88-75-5	2-Nitrophenol							< 0.22	< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.22	< 0.21
99-09-2	3-Nitroaniline							< 0.22	< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.42	< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.22	< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.42	< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.22	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.22	< 0.21
106-44-5	4-Methylphenol							< 0.22	< 0.21
100-01-6	4-Nitroaniline							< 0.22	< 0.21
100-02-7	4-Nitrophenol							< 0.42	< 0.41
62-53-3	Aniline							< 0.43	< 0.42
92-87-5	Benzidine							< 0.42	< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.1	< 1.0
100-51-6	Benzyl alcohol							< 0.22	< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.22	< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.22	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.1	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.22	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.22	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.22	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.22	< 0.21
132-64-9	Dibenzofuran							< 0.22	< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.22	< 0.21
131-11-3	Dimethyl phthalate							< 0.22	< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.22	< 0.21
87-68-3	Hexachlorobutadiene							< 0.22	< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.22	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.22	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.22	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.042	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.22	< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.22	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.042	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.086	< 0.084
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.22	< 0.21
110-86-1	Pyridine							< 0.99	< 0.96

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)**

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-009 19010565-010

Client Sample ID : A-9 A-10

Date Collected : 01/22/2019 08:00 01/22/2019 08:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.20	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.20	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.20	< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.20	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.20	< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.20	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.20	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.20	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.20	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 0.98	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.039	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.039	< 0.041
91-58-7	2-Chloronaphthalene							< 0.20	< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.20	< 0.21
91-57-6	2-Methylnaphthalene							< 0.20	< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.20	< 0.21
88-74-4	2-Nitroaniline							< 0.20	< 0.21
88-75-5	2-Nitrophenol							< 0.20	< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.20	< 0.21
99-09-2	3-Nitroaniline							< 0.20	< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.39	< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.20	< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.39	< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.20	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.20	< 0.21
106-44-5	4-Methylphenol							< 0.20	< 0.21
100-01-6	4-Nitroaniline							< 0.20	< 0.21
100-02-7	4-Nitrophenol							< 0.39	< 0.41
62-53-3	Aniline							< 0.39	< 0.41
92-87-5	Benzidine							< 0.39	< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 0.98	< 1.0
100-51-6	Benzyl alcohol							< 0.20	< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.20	< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.20	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 0.98	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.20	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.20	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.20	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.20	< 0.21
132-64-9	Dibenzofuran							< 0.20	< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.20	< 0.21
131-11-3	Dimethyl phthalate							< 0.20	< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.20	< 0.21
87-68-3	Hexachlorobutadiene							< 0.20	< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.20	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.20	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.20	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.039	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.20	< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.20	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.039	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.079	< 0.083
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.20	< 0.21
110-86-1	Pyridine							< 0.91	< 0.96

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-011 19010565-012

Client Sample ID : A-11 A-12

Date Collected : 01/22/2019 08:30 01/22/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.22	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.22	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.22	< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.22	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.22	< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.22	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.22	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.22	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.22	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.1	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.042	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.042	< 0.041
91-58-7	2-Chloronaphthalene							< 0.22	< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.22	< 0.21
91-57-6	2-Methylnaphthalene							< 0.22	< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.22	< 0.21
88-74-4	2-Nitroaniline							< 0.22	< 0.21
88-75-5	2-Nitrophenol							< 0.22	< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.22	< 0.21
99-09-2	3-Nitroaniline							< 0.22	< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.42	< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.22	< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.42	< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.22	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.22	< 0.21
106-44-5	4-Methylphenol							< 0.22	< 0.21
100-01-6	4-Nitroaniline							< 0.22	< 0.21
100-02-7	4-Nitrophenol							< 0.42	< 0.41
62-53-3	Aniline							< 0.43	< 0.42
92-87-5	Benzidine							< 0.42	< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.1	< 1.0
100-51-6	Benzyl alcohol							< 0.22	< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.22	< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.22	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.1	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.22	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.22	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.22	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.22	< 0.21
132-64-9	Dibenzofuran							< 0.22	< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.22	< 0.21
131-11-3	Dimethyl phthalate							< 0.22	< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.22	< 0.21
87-68-3	Hexachlorobutadiene							< 0.22	< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.22	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.22	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.22	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.042	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.22	< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.22	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.042	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.086	< 0.084
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.22	< 0.21
110-86-1	Pyridine							< 0.99	< 0.96

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)**

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-013 19010565-014

Client Sample ID : A-13 A-14

Date Collected : 01/22/2019 09:00 01/22/2019 09:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21	< 0.22
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21	< 0.22
541-73-1	1,3-Dichlorobenzene							< 0.21	< 0.22
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21	< 0.22
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21	< 0.22
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21	< 0.22
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21	< 0.22
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21	< 0.22
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21	< 0.22
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0	< 1.1
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040	< 0.043
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040	< 0.043
91-58-7	2-Chloronaphthalene							< 0.21	< 0.22
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21	< 0.22
91-57-6	2-Methylnaphthalene							< 0.21	< 0.22
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21	< 0.22
88-74-4	2-Nitroaniline							< 0.21	< 0.22
88-75-5	2-Nitrophenol							< 0.21	< 0.22
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21	< 0.22
99-09-2	3-Nitroaniline							< 0.21	< 0.22
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40	< 0.43
101-55-3	4-Bromophenyl phenyl ether							< 0.21	< 0.22
59-50-7	4-Chloro-3-methylphenol							< 0.40	< 0.43
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21	< 0.22
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21	< 0.22
106-44-5	4-Methylphenol							< 0.21	< 0.22
100-01-6	4-Nitroaniline							< 0.21	< 0.22
100-02-7	4-Nitrophenol							< 0.40	< 0.43
62-53-3	Aniline							< 0.41	< 0.43
92-87-5	Benzidine							< 0.40	< 0.43
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0	< 1.1
100-51-6	Benzyl alcohol							< 0.21	< 0.22
111-91-1	Bis(2-chloroethoxy)methane							< 0.21	< 0.22
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21	< 0.22
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0	< 1.1
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21	< 0.22
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21	< 0.22
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21	< 0.22
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21	< 0.22
132-64-9	Dibenzofuran							< 0.21	< 0.22
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21	< 0.22
131-11-3	Dimethyl phthalate							< 0.21	< 0.22
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21	< 0.22
87-68-3	Hexachlorobutadiene							< 0.21	< 0.22
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21	< 0.22
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21	< 0.22
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21	< 0.22
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040	< 0.043
62-75-9	N-Nitrosodimethylamine							< 0.21	< 0.22
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21	< 0.22
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040	< 0.043
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.082	< 0.086
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21	< 0.22
110-86-1	Pyridine							< 0.94	< 0.99

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-015 19010565-016

Client Sample ID : A-15 A-16

Date Collected : 01/22/2019 09:30 01/22/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.22	< 0.22
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.22	< 0.22
541-73-1	1,3-Dichlorobenzene							< 0.22	< 0.22
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.22	< 0.22
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.22	< 0.22
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.22	< 0.22
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.22	< 0.22
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.22	< 0.22
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.22	< 0.22
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.1	< 1.1
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.043	< 0.043
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.043	< 0.043
91-58-7	2-Chloronaphthalene							< 0.22	< 0.22
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.22	< 0.22
91-57-6	2-Methylnaphthalene							< 0.22	< 0.22
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.22	< 0.22
88-74-4	2-Nitroaniline							< 0.22	< 0.22
88-75-5	2-Nitrophenol							< 0.22	< 0.22
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.22	< 0.22
99-09-2	3-Nitroaniline							< 0.22	< 0.22
534-52-1	4,6-Dinitro-2-methylphenol							< 0.43	< 0.43
101-55-3	4-Bromophenyl phenyl ether							< 0.22	< 0.22
59-50-7	4-Chloro-3-methylphenol							< 0.43	< 0.43
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.22	< 0.22
7005-72-3	4-Chlorophenyl phenyl ether							< 0.22	< 0.22
106-44-5	4-Methylphenol							< 0.22	< 0.22
100-01-6	4-Nitroaniline							< 0.22	< 0.22
100-02-7	4-Nitrophenol							< 0.43	< 0.43
62-53-3	Aniline							< 0.44	< 0.43
92-87-5	Benzidine							< 0.43	< 0.43
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.1	< 1.1
100-51-6	Benzyl alcohol							< 0.22	< 0.22
111-91-1	Bis(2-chloroethoxy)methane							< 0.22	< 0.22
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.22	< 0.22
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.1	< 1.1
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.22	< 0.22
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.22	< 0.22
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.22	< 0.22
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.22	< 0.22
132-64-9	Dibenzofuran							< 0.22	< 0.22
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.22	< 0.22
131-11-3	Dimethyl phthalate							< 0.22	< 0.22
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.22	< 0.22
87-68-3	Hexachlorobutadiene							< 0.22	< 0.22
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.22	< 0.22
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.22	< 0.22
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.22	< 0.22
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.043	< 0.043
62-75-9	N-Nitrosodimethylamine							< 0.22	< 0.22
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.22	< 0.22
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.043	< 0.043
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.088	< 0.086
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.22	< 0.22
110-86-1	Pyridine							< 1.0	< 0.99

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-017

Client Sample ID : A-17

Date Collected : 01/22/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.41
62-53-3	Aniline							< 0.41
92-87-5	Benzidine							< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.083
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.95

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001 19010565-002 19010565-003 19010565-004  
 Client Sample ID : A-1 A-2 A-3 A-4  
 Date Collected : 01/22/2019 06:00 01/22/2019 06:15 01/22/2019 06:30 01/22/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.095	< 0.10	< 0.098	< 0.099
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.095	< 0.10	< 0.098	< 0.099
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.095	< 0.10	< 0.098	< 0.099
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.095	< 0.10	< 0.098	< 0.099
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.095	< 0.10	< 0.098	< 0.099
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.095	< 0.10	< 0.098	< 0.099
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.095	< 0.10	< 0.098	< 0.099

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-005 19010565-006 19010565-007 19010565-008

Client Sample ID : A-5 A-6 A-7 A-8

Date Collected : 01/22/2019 07:00 01/22/2019 07:15 01/22/2019 07:30 01/22/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.099
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.099
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.099
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.099
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.099
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.099
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.099

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-009 19010565-010 19010565-011 19010565-012

Client Sample ID : A-9 A-10 A-11 A-12

Date Collected : 01/22/2019 08:00 01/22/2019 08:15 01/22/2019 08:30 01/22/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.095	< 0.10	< 0.10	< 0.099
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.095	< 0.10	< 0.10	< 0.099
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.095	< 0.10	< 0.10	< 0.099
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.095	< 0.10	< 0.10	< 0.099
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.095	< 0.10	< 0.10	< 0.099
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.095	< 0.10	< 0.10	< 0.099
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.095	< 0.10	< 0.10	< 0.099

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-013 19010565-014 19010565-015 19010565-016

Client Sample ID : A-13 A-14 A-15 A-16

Date Collected : 01/22/2019 09:00 01/22/2019 09:15 01/22/2019 09:30 01/22/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.098	< 0.10	< 0.10	< 0.10
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.098	< 0.10	< 0.10	< 0.10
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.098	< 0.10	< 0.10	< 0.10
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.098	< 0.10	< 0.10	< 0.10
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.098	< 0.10	< 0.10	< 0.10
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.098	< 0.10	< 0.10	< 0.10
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.098	< 0.10	< 0.10	< 0.10

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-017

Client Sample ID : A-17

Date Collected : 01/22/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.098
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.098
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.098
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.098
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.098
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.098
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.098

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

**Bolded/Shaded** values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001 19010565-002 19010565-003 19010565-004  
Client Sample ID : A-1 A-2 A-3 A-4  
Date Collected : 01/22/2019 06:00 01/22/2019 06:15 01/22/2019 06:30 01/22/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0019	< 0.0020	< 0.0020	< 0.0020
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0019	< 0.0020	< 0.0020	< 0.0020
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0019	< 0.0020	< 0.0020	< 0.0020
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0019	< 0.0020	< 0.0020	< 0.0020
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0019	< 0.0020	< 0.0020	< 0.0020
5103-71-9	alpha-Chlordane							< 0.0019	< 0.0020	< 0.0020	< 0.0020
319-85-7	beta-BHC							< 0.0019	< 0.0020	< 0.0020	< 0.0020
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.019	< 0.020	< 0.020	< 0.020
319-86-8	delta-BHC							< 0.0019	< 0.0020	< 0.0020	< 0.0020
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0019	< 0.0020	< 0.0020	< 0.0020
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0019	< 0.0020	< 0.0020	< 0.0020
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0019	< 0.0020	< 0.0020	< 0.0020
1031-07-8	Endosulfan sulfate							< 0.0019	< 0.0020	< 0.0020	< 0.0020
72-20-8	Endrin	23	---	61	---	1	5	< 0.0019	< 0.0020	< 0.0020	< 0.0020
7421-93-4	Endrin aldehyde							< 0.0019	< 0.0020	< 0.0020	< 0.0020
53494-70-5	Endrin ketone							< 0.0019	< 0.0020	< 0.0020	< 0.0020
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0019	< 0.0020	< 0.0020	< 0.0020
5566-34-7	gamma-Chlordane							< 0.0019	< 0.0020	< 0.0020	< 0.0020
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0019	< 0.0020	< 0.0020	< 0.0020
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0019	< 0.0020	< 0.0020	< 0.0020
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0019	< 0.0020	< 0.0020	< 0.0020
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.039	< 0.041	< 0.040	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-005 19010565-006 19010565-007 19010565-008  
Client Sample ID : A-5 A-6 A-7 A-8  
Date Collected : 01/22/2019 07:00 01/22/2019 07:15 01/22/2019 07:30 01/22/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0020	< 0.0020	< 0.0021	< 0.0020
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0020	< 0.0020	< 0.0021	< 0.0020
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0020	< 0.0020	< 0.0021	< 0.0020
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0020	< 0.0020	< 0.0021	< 0.0020
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0020	< 0.0020	< 0.0021	< 0.0020
5103-71-9	alpha-Chlordane							< 0.0020	< 0.0020	< 0.0021	< 0.0020
319-85-7	beta-BHC							< 0.0020	< 0.0020	< 0.0021	< 0.0020
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.020	< 0.020	< 0.021	< 0.020
319-86-8	delta-BHC							< 0.0020	< 0.0020	< 0.0021	< 0.0020
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0020	< 0.0020	< 0.0021	< 0.0020
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0020	< 0.0020	< 0.0021	< 0.0020
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0020	< 0.0020	< 0.0021	< 0.0020
1031-07-8	Endosulfan sulfate							< 0.0020	< 0.0020	< 0.0021	< 0.0020
72-20-8	Endrin	23	---	61	---	1	5	< 0.0020	< 0.0020	< 0.0021	< 0.0020
7421-93-4	Endrin aldehyde							< 0.0020	< 0.0020	< 0.0021	< 0.0020
53494-70-5	Endrin ketone							< 0.0020	< 0.0020	< 0.0021	< 0.0020
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0020	< 0.0020	< 0.0021	< 0.0020
5566-34-7	gamma-Chlordane							< 0.0020	< 0.0020	< 0.0021	< 0.0020
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0020	< 0.0020	< 0.0021	< 0.0020
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0020	< 0.0020	< 0.0021	< 0.0020
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0020	< 0.0020	< 0.0021	< 0.0020
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.041	< 0.042	< 0.043	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-009 19010565-010 19010565-011 19010565-012  
Client Sample ID : A-9 A-10 A-11 A-12  
Date Collected : 01/22/2019 08:00 01/22/2019 08:15 01/22/2019 08:30 01/22/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0019	< 0.0020	< 0.0020	< 0.0020
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0019	< 0.0020	< 0.0020	< 0.0020
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0019	< 0.0020	< 0.0020	< 0.0020
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0019	< 0.0020	< 0.0020	< 0.0020
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0019	< 0.0020	< 0.0020	< 0.0020
5103-71-9	alpha-Chlordane							< 0.0019	< 0.0020	< 0.0020	< 0.0020
319-85-7	beta-BHC							< 0.0019	< 0.0020	< 0.0020	< 0.0020
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.019	< 0.020	< 0.020	< 0.020
319-86-8	delta-BHC							< 0.0019	< 0.0020	< 0.0020	< 0.0020
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0019	< 0.0020	< 0.0020	< 0.0020
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0019	< 0.0020	< 0.0020	< 0.0020
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0019	< 0.0020	< 0.0020	< 0.0020
1031-07-8	Endosulfan sulfate							< 0.0019	< 0.0020	< 0.0020	< 0.0020
72-20-8	Endrin	23	---	61	---	1	5	< 0.0019	< 0.0020	< 0.0020	< 0.0020
7421-93-4	Endrin aldehyde							< 0.0019	< 0.0020	< 0.0020	< 0.0020
53494-70-5	Endrin ketone							< 0.0019	< 0.0020	< 0.0020	< 0.0020
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0019	< 0.0020	< 0.0020	< 0.0020
5566-34-7	gamma-Chlordane							< 0.0019	< 0.0020	< 0.0020	< 0.0020
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0019	< 0.0020	< 0.0020	< 0.0020
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0019	< 0.0020	< 0.0020	< 0.0020
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0019	< 0.0020	< 0.0020	< 0.0020
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.039	< 0.041	< 0.042	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-013 19010565-014 19010565-015 19010565-016  
 Client Sample ID : A-13 A-14 A-15 A-16  
 Date Collected : 01/22/2019 09:00 01/22/2019 09:15 01/22/2019 09:30 01/22/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0020	< 0.0020	< 0.0021	< 0.0021
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0020	< 0.0020	< 0.0021	< 0.0021
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0020	< 0.0020	< 0.0021	< 0.0021
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0020	< 0.0020	< 0.0021	< 0.0021
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0020	< 0.0020	< 0.0021	< 0.0021
5103-71-9	alpha-Chlordane							< 0.0020	< 0.0020	< 0.0021	< 0.0021
319-85-7	beta-BHC							< 0.0020	< 0.0020	< 0.0021	< 0.0021
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.020	< 0.020	< 0.021	< 0.021
319-86-8	delta-BHC							< 0.0020	< 0.0020	< 0.0021	< 0.0021
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0020	< 0.0020	< 0.0021	< 0.0021
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0020	< 0.0020	< 0.0021	< 0.0021
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0020	< 0.0020	< 0.0021	< 0.0021
1031-07-8	Endosulfan sulfate							< 0.0020	< 0.0020	< 0.0021	< 0.0021
72-20-8	Endrin	23	---	61	---	1	5	< 0.0020	< 0.0020	< 0.0021	< 0.0021
7421-93-4	Endrin aldehyde							< 0.0020	< 0.0020	< 0.0021	< 0.0021
53494-70-5	Endrin ketone							< 0.0020	< 0.0020	< 0.0021	< 0.0021
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0020	< 0.0020	< 0.0021	< 0.0021
5566-34-7	gamma-Chlordane							< 0.0020	< 0.0020	< 0.0021	< 0.0021
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0020	< 0.0020	< 0.0021	< 0.0021
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0020	< 0.0020	< 0.0021	< 0.0021
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0020	< 0.0020	< 0.0021	< 0.0021
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.041	< 0.042	< 0.043	< 0.043

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)**

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-017

Client Sample ID : A-17

Date Collected : 01/22/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0020
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0020
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0020
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0020
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0020
5103-71-9	alpha-Chlordane							< 0.0020
319-85-7	beta-BHC							< 0.0020
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.020
319-86-8	delta-BHC							< 0.0020
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0020
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0020
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0020
1031-07-8	Endosulfan sulfate							< 0.0020
72-20-8	Endrin	23	---	61	---	1	5	< 0.0020
7421-93-4	Endrin aldehyde							< 0.0020
53494-70-5	Endrin ketone							< 0.0020
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0020
5566-34-7	gamma-Chlordane							< 0.0020
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0020
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0020
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0020
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.040

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)**

Client: Environmental Group Services, Ltd.  
 Project: Franklin-EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001    19010565-002    19010565-003    19010565-004  
 Client Sample ID :        A-1                      A-2                      A-3                      A-4  
 Date Collected : 01/22/2019 06:00 01/22/2019 06:15 01/22/2019 06:30 01/22/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7429-90-5	Aluminum							13000	14000	15000	13000
7440-36-0	Antimony	31	---	82	---			< 2.1	< 2.3	< 2.2	< 2.2
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			4.0	13	5.3	4.9
7440-39-3	Barium	5,500	690,000	14,000	870,000			30	48	120	78
7440-41-7	Beryllium	160	1,300	410	44,000			0.80	0.91	1.0	0.84
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.52	< 0.57	< 0.56	< 0.55
7440-70-2	Calcium	---	---	---	---			69000	64000	68000	66000
7440-47-3	Chromium	230	270	4,100	690			24	28	30	26
7440-48-4	Cobalt	4,700	---	12,000	---			11	20	14	12
7440-50-8	Copper	2,900	---	8,200	---			26	29	31	23
57-12-5	Cyanide	1,600	---	4,100	---			< 0.30	< 0.32	< 0.31	< 0.31
7439-89-6	Iron		---		---			23000	25000	30000	24000
7439-92-1	Lead	400	---	700	---			14	19	15	12
7439-95-4	Magnesium	325,000	---	730,000	---			34000	33000	35000	32000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			420	480	540	480
7439-97-6	Mercury	23	10	61	0.1			0.023	0.026	0.022	0.026
7440-02-0	Nickel	1,600	13,000	4,100	440,000			31	53	42	36
7440-09-7	Potassium	---	---	---	---			2900	3700	3600	3400
7782-49-2	Selenium	390	---	1,000	---			1.0	1.1	< 1.1	1.3
7440-22-4	Silver	390	---	1,000	---			< 1.0	< 1.1	< 1.1	< 1.1
7440-23-5	Sodium	---	---	---	---			810	210	210	190
7440-28-0	Thallium	6.3	---	160	---			< 1.0	< 1.1	< 1.1	< 1.1
7440-62-2	Vanadium	550	---	1,400	---			29	30	30	26
7440-66-6	Zinc	23,000	---	61,000	---			51	58	57	50

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-005 19010565-006 19010565-007 19010565-008  
Client Sample ID : A-5 A-6 A-7 A-8  
Date Collected : 01/22/2019 07:00 01/22/2019 07:15 01/22/2019 07:30 01/22/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7429-90-5	Aluminum							15000	16000	17000	14000
7440-36-0	Antimony	31	---	82	---			< 2.1	< 2.1	< 2.2	< 2.2
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			6.4	5.5	5.1	8.1
7440-39-3	Barium	5,500	690,000	14,000	870,000			91	100	110	59
7440-41-7	Beryllium	160	1,300	410	44,000			1.0	0.97	1.1	0.83
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.52	< 0.53	< 0.55	< 0.56
7440-70-2	Calcium	---	---	---	---			63000	74000	67000	60000
7440-47-3	Chromium	230	270	4,100	690			30	32	35	28
7440-48-4	Cobalt	4,700	---	12,000	---			12	15	16	18
7440-50-8	Copper	2,900	---	8,200	---			29	29	32	29
57-12-5	Cyanide	1,600	---	4,100	---			< 0.31	< 0.32	< 0.32	< 0.31
7439-89-6	Iron		---		---			33000	27000	34000	24000
7439-92-1	Lead	400	---	700	---			14	15	15	16
7439-95-4	Magnesium	325,000	---	730,000	---			31000	37000	33000	31000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			500	540	540	470
7439-97-6	Mercury	23	10	61	0.1			0.026	0.028	< 0.024	0.028
7440-02-0	Nickel	1,600	13,000	4,100	440,000			38	41	47	46
7440-09-7	Potassium	---	---	---	---			4000	4100	4100	3700
7782-49-2	Selenium	390	---	1,000	---			1.1	1.4	1.3	1.4
7440-22-4	Silver	390	---	1,000	---			< 1.0	< 1.1	< 1.1	< 1.1
7440-23-5	Sodium	---	---	---	---			210	220	230	190
7440-28-0	Thallium	6.3	---	160	---			< 1.0	< 1.1	< 1.1	< 1.1
7440-62-2	Vanadium	550	---	1,400	---			31	33	34	28
7440-66-6	Zinc	23,000	---	61,000	---			55	59	62	56

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)**

Client: Environmental Group Services, Ltd.  
 Project: Franklin-EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-009 19010565-010 19010565-011 19010565-012  
 Client Sample ID : A-9 A-10 A-11 A-12  
 Date Collected : 01/22/2019 08:00 01/22/2019 08:15 01/22/2019 08:30 01/22/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7429-90-5	Aluminum							16000	13000	13000	15000
7440-36-0	Antimony	31	---	82	---			< 2.2	< 2.3	< 2.3	< 2.2
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			6.9	3.9	7.2	9.1
7440-39-3	Barium	5,500	690,000	14,000	870,000			95	71	60	100
7440-41-7	Beryllium	160	1,300	410	44,000			0.97	0.81	0.81	0.91
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.54	< 0.57	< 0.56	< 0.56
7440-70-2	Calcium	---	---	---	---			76000	61000	64000	81000
7440-47-3	Chromium	230	270	4,100	690			30	26	26	30
7440-48-4	Cobalt	4,700	---	12,000	---			16	10	14	15
7440-50-8	Copper	2,900	---	8,200	---			31	25	28	29
57-12-5	Cyanide	1,600	---	4,100	---			< 0.30	< 0.32	< 0.32	< 0.31
7439-89-6	Iron		---		---			27000	24000	26000	30000
7439-92-1	Lead	400	---	700	---			15	12	16	15
7439-95-4	Magnesium	325,000	---	730,000	---			38000	31000	32000	39000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			540	390	450	560
7439-97-6	Mercury	23	10	61	0.1			< 0.021	< 0.023	0.025	< 0.020
7440-02-0	Nickel	1,600	13,000	4,100	440,000			42	31	39	41
7440-09-7	Potassium	---	---	---	---			4100	3300	3100	3600
7782-49-2	Selenium	390	---	1,000	---			1.3	1.4	1.3	1.4
7440-22-4	Silver	390	---	1,000	---			< 1.1	< 1.1	< 1.1	< 1.1
7440-23-5	Sodium	---	---	---	---			230	190	190	210
7440-28-0	Thallium	6.3	---	160	---			< 1.1	< 1.1	< 1.1	< 1.1
7440-62-2	Vanadium	550	---	1,400	---			33	29	28	31
7440-66-6	Zinc	23,000	---	61,000	---			58	53	54	58

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)**

Client: Environmental Group Services, Ltd.  
 Project: Franklin-EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-013    19010565-014    19010565-015    19010565-016  
 Client Sample ID : A-13    A-14    A-15    A-16  
 Date Collected : 01/22/2019 09:00 01/22/2019 09:15 01/22/2019 09:30 01/22/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7429-90-5	Aluminum							14000	12000	14000	12000
7440-36-0	Antimony	31	---	82	---			< 2.1	< 2.2	< 2.4	< 2.3
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			12	6.3	4.4	7.0
7440-39-3	Barium	5,500	690,000	14,000	870,000			120	33	51	31
7440-41-7	Beryllium	160	1,300	410	44,000			0.94	0.70	0.79	0.73
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.54	< 0.56	< 0.60	< 0.57
7440-70-2	Calcium	---	---	---	---			76000	61000	56000	71000
7440-47-3	Chromium	230	270	4,100	690			29	23	27	24
7440-48-4	Cobalt	4,700	---	12,000	---			16	9.6	16	9.9
7440-50-8	Copper	2,900	---	8,200	---			39	27	21	30
57-12-5	Cyanide	1,600	---	4,100	---			< 0.31	< 0.32	< 0.33	0.59
7439-89-6	Iron		---		---			33000	27000	23000	26000
7439-92-1	Lead	400	---	700	---			18	14	13	16
7439-95-4	Magnesium	325,000	---	730,000	---			40000	31000	26000	39000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			580	420	400	450
7439-97-6	Mercury	23	10	61	0.1			0.025	0.027	0.025	0.030
7440-02-0	Nickel	1,600	13,000	4,100	440,000			45	30	41	31
7440-09-7	Potassium	---	---	---	---			3800	2800	3400	2700
7782-49-2	Selenium	390	---	1,000	---			1.6	1.7	1.5	1.4
7440-22-4	Silver	390	---	1,000	---			< 1.1	< 1.1	< 1.2	< 1.1
7440-23-5	Sodium	---	---	---	---			200	170	170	180
7440-28-0	Thallium	6.3	---	160	---			< 1.1	< 1.1	< 1.2	< 1.1
7440-62-2	Vanadium	550	---	1,400	---			31	29	27	29
7440-66-6	Zinc	23,000	---	61,000	---			63	53	55	55

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-017  
Client Sample ID : A-17  
Date Collected : 01/22/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
7429-90-5	Aluminum							13000
7440-36-0	Antimony	31	---	82	---			< 2.1
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			5.0
7440-39-3	Barium	5,500	690,000	14,000	870,000			60
7440-41-7	Beryllium	160	1,300	410	44,000			0.82
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.53
7440-70-2	Calcium	---	---	---	---			65000
7440-47-3	Chromium	230	270	4,100	690			26
7440-48-4	Cobalt	4,700	---	12,000	---			12
7440-50-8	Copper	2,900	---	8,200	---			30
57-12-5	Cyanide	1,600	---	4,100	---			1.1
7439-89-6	Iron		---		---			27000
7439-92-1	Lead	400	---	700	---			14
7439-95-4	Magnesium	325,000	---	730,000	---			34000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			470
7439-97-6	Mercury	23	10	61	0.1			0.022
7440-02-0	Nickel	1,600	13,000	4,100	440,000			36
7440-09-7	Potassium	---	---	---	---			3100
7782-49-2	Selenium	390	---	1,000	---			1.4
7440-22-4	Silver	390	---	1,000	---			< 1.1
7440-23-5	Sodium	---	---	---	---			180
7440-28-0	Thallium	6.3	---	160	---			< 1.1
7440-62-2	Vanadium	550	---	1,400	---			28
7440-66-6	Zinc	23,000	---	61,000	---			58

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001 19010565-002 19010565-003 19010565-004

Client Sample ID : A-1 A-2 A-3 A-4

Date Collected : 01/22/2019 06:00 01/22/2019 06:15 01/22/2019 06:30 01/22/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7440-36-0	Antimony					0.006	0.024	< 0.015	< 0.015	< 0.015	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010	< 0.010	< 0.010	< 0.010
7440-39-3	Barium					2.0	2.0	0.071	0.72	0.63	0.82
7440-41-7	Beryllium					0.004	0.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010	< 0.010	< 0.010	< 0.010
7440-48-4	Cobalt					1.0	1.0	0.011	0.031	0.061	0.027
7440-50-8	Copper					0.65	0.65	< 0.10	< 0.10	< 0.10	< 0.10
7439-89-6	Iron					5.0	5.0	< 0.25	< 0.25	< 0.25	< 0.25
7439-92-1	Lead					0.0075	0.1	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7439-96-5	Manganese					0.15	10.0	<b>2.5</b>	<b>3.4</b>	<b>2.2</b>	<b>3.7</b>
7439-97-6	Mercury					0.002	0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020
7440-02-0	Nickel					0.1	2.0	0.025	0.062	<b>0.15</b>	0.059
7782-49-2	Selenium					0.05	0.05	< 0.010	< 0.010	< 0.010	< 0.010
7440-22-4	Silver					0.05	---	< 0.010	< 0.010	< 0.010	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010	< 0.010	< 0.010	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050	< 0.050	< 0.050	< 0.050

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-005 19010565-006 19010565-007 19010565-008  
Client Sample ID : A-5 A-6 A-7 A-8  
Date Collected : 01/22/2019 07:00 01/22/2019 07:15 01/22/2019 07:30 01/22/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7440-36-0	Antimony					0.006	0.024	< 0.015	< 0.015	< 0.015	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010	< 0.010	< 0.010	< 0.010
7440-39-3	Barium					2.0	2.0	0.62	0.82	1.0	1.0
7440-41-7	Beryllium					0.004	0.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010	< 0.010	< 0.010	< 0.010
7440-48-4	Cobalt					1.0	1.0	0.033	0.014	0.029	0.028
7440-50-8	Copper					0.65	0.65	< 0.10	< 0.10	< 0.10	< 0.10
7439-89-6	Iron					5.0	5.0	< 0.25	< 0.25	< 0.25	< 0.25
7439-92-1	Lead					0.0075	0.1	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7439-96-5	Manganese					0.15	10.0	3.5	3.0	4.0	3.4
7439-97-6	Mercury					0.002	0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020
7440-02-0	Nickel					0.1	2.0	0.071	0.032	0.066	0.057
7782-49-2	Selenium					0.05	0.05	< 0.010	< 0.010	< 0.010	< 0.010
7440-22-4	Silver					0.05	---	< 0.010	< 0.010	< 0.010	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010	< 0.010	< 0.010	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050	< 0.050	< 0.050	< 0.050

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-009 19010565-010 19010565-011 19010565-012  
Client Sample ID : A-9 A-10 A-11 A-12  
Date Collected : 01/22/2019 08:00 01/22/2019 08:15 01/22/2019 08:30 01/22/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7440-36-0	Antimony					0.006	0.024	< 0.015	< 0.015	< 0.015	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010	< 0.010	< 0.010	< 0.010
7440-39-3	Barium					2.0	2.0	0.91	1.1	0.92	0.98
7440-41-7	Beryllium					0.004	0.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010	< 0.010	< 0.010	< 0.010
7440-48-4	Cobalt					1.0	1.0	0.042	0.047	0.085	0.021
7440-50-8	Copper					0.65	0.65	< 0.10	< 0.10	< 0.10	< 0.10
7439-89-6	Iron					5.0	5.0	0.78	0.25	< 0.25	0.31
7439-92-1	Lead					0.0075	0.1	<b>0.010</b>	< 0.0050	<b>0.014</b>	< 0.0050
7439-96-5	Manganese					0.15	10.0	<b>7.0</b>	<b>2.9</b>	<b>5.5</b>	<b>3.5</b>
7439-97-6	Mercury					0.002	0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020
7440-02-0	Nickel					0.1	2.0	0.065	0.10	<b>0.12</b>	0.052
7782-49-2	Selenium					0.05	0.05	< 0.010	< 0.010	< 0.010	< 0.010
7440-22-4	Silver					0.05	—	< 0.010	< 0.010	< 0.010	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010	< 0.010	< 0.010	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050	< 0.050	0.054	< 0.050

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)**

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-013    19010565-014    19010565-015    19010565-016  
Client Sample ID : A-13                      A-14                      A-15                      A-16  
Date Collected : 01/22/2019 09:00 01/22/2019 09:15 01/22/2019 09:30 01/22/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7440-36-0	Antimony					0.006	0.024	< 0.015	< 0.015	< 0.015	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010	< 0.010	< 0.010	< 0.010
7440-39-3	Barium					2.0	2.0	0.89	0.058	0.65	0.20
7440-41-7	Beryllium					0.004	0.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010	< 0.010	< 0.010	< 0.010
7440-48-4	Cobalt					1.0	1.0	0.026	< 0.010	0.046	0.010
7440-50-8	Copper					0.65	0.65	< 0.10	< 0.10	< 0.10	< 0.10
7439-89-6	Iron					5.0	5.0	< 0.25	< 0.25	< 0.25	< 0.25
7439-92-1	Lead					0.0075	0.1	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7439-96-5	Manganese					0.15	10.0	<b>3.6</b>	<b>2.3</b>	<b>2.7</b>	<b>2.3</b>
7439-97-6	Mercury					0.002	0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020
7440-02-0	Nickel					0.1	2.0	0.058	< 0.020	0.090	0.024
7782-49-2	Selenium					0.05	0.05	< 0.010	< 0.010	< 0.010	< 0.010
7440-22-4	Silver					0.05	—	< 0.010	< 0.010	< 0.010	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010	< 0.010	< 0.010	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050	< 0.050	< 0.050	< 0.050

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-017

Client Sample ID : A-17

Date Collected : 01/22/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
7440-36-0	Antimony					0.006	0.024	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010
7440-39-3	Barium					2.0	2.0	0.90
7440-41-7	Beryllium					0.004	0.5	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010
7440-48-4	Cobalt					1.0	1.0	0.015
7440-50-8	Copper					0.65	0.65	< 0.10
7439-89-6	Iron					5.0	5.0	< 0.25
7439-92-1	Lead					0.0075	0.1	< 0.0050
7439-96-5	Manganese					0.15	10.0	<b>33</b>
7439-97-6	Mercury					0.002	0.01	< 0.00020
7440-02-0	Nickel					0.1	2.0	0.032
7782-49-2	Selenium					0.05	0.05	< 0.010
7440-22-4	Silver					0.05	---	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001 19010565-009  
Client Sample ID : A-1 A-9  
Date Collected : 01/22/2019 06:00 01/22/2019 08:00  
pH = 7.6 pH = 7.74

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values			
	Ingestion	Inhalation	Class I	Class II		
	pH Range 7.25 to 7.74					
Aluminum					13000	16000
Antimony	31	---	5	20	< 2.1	< 2.2
Arsenic	13.0/11.3	750	30	120	4.0	6.9
Barium	5,500	690,000	1,800	1,800	30	95
Beryllium	160	1,300	1,000	130,000	0.80	0.97
Cadmium	78	1,800	59	590	< 0.52	< 0.54
Calcium	---	---			69000	76000
Chromium	230	270	32	No Data	24	30
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	11	16
Copper	2,900	---	330,000	330,000	26	31
Cyanide	1,600	---	40	120	< 0.30	< 0.30
Iron		---	See TCLP/SPLP	See TCLP/SPLP	23000	27000
Lead	400	---	107	1,420	14	15
Magnesium	325,000	---			34000	38000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	420	540
Mercury	23	10 / 0.1*	6.4	32	0.023	< 0.021
Nickel	1,600	13,000	700	14,000	31	42
Potassium	---	---			2900	4100
Selenium	390	---	3.3	3.3	1.0	1.3
Silver	390	---	39		< 1.0	< 1.1
Sodium	---	---			810	230
Thallium	6.3	---	3.4	34	< 1.0	< 1.1
Vanadium	550	---	980	See TCLP/SPLP	29	33
Zinc	23,000	---	16,000	32,000	51	58

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

Bolded/Shaded values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-002 19010565-003 19010565-004 19010565-005 19010565-006  
Client Sample ID : A-2 A-3 A-4 A-5 A-6  
Date Collected : 01/22/2019 06:15 01/22/2019 06:30 01/22/2019 06:45 01/22/2019 07:00 01/22/2019 07:15  
pH = 7.82 pH = 7.98 pH = 8.03 pH = 8.03 pH = 7.85

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values						
	Ingestion	Inhalation	Class I	Class II					
	pH Range 7.75 to 8.24								
Aluminum					14000	15000	13000	15000	16000
Antimony	31	---	5	20	< 2.3	< 2.2	< 2.2	< 2.1	< 2.1
Arsenic	13.0/11.3	750	31	120	13	5.3	4.9	6.4	5.5
Barium	5,500	690,000	2,100	2,100	48	120	78	91	100
Beryllium	160	1,300	8,000	1,000,000	0.91	1.0	0.84	1.0	0.97
Cadmium	78	1,800	430	4,300	< 0.57	< 0.56	< 0.55	< 0.52	< 0.53
Calcium	---	---			64000	68000	66000	63000	74000
Chromium	230	270	28	No Data	28	<b>30</b>	26	<b>30</b>	<b>32</b>
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	20	14	12	12	15
Copper	2,900	---	330,000	330,000	29	31	23	29	29
Cyanide	1,600	---	40	120	< 0.32	< 0.31	< 0.31	< 0.31	< 0.32
Iron		---	See TCLP/SPLP	See TCLP/SPLP	25000	30000	24000	33000	27000
Lead	400	---	107	1,420	19	15	12	14	15
Magnesium	325,000	---			33000	35000	32000	31000	37000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	480	540	480	500	540
Mercury	23	10 / 0.1*	8.0	40	0.026	0.022	0.026	0.026	0.028
Nickel	1,600	13,000	3,800	76,000	53	42	36	38	41
Potassium	---	---			3700	3600	3400	4000	4100
Selenium	390	---	2.4	2.4	1.1	< 1.1	1.3	1.1	1.4
Silver	390	---	110		< 1.1	< 1.1	< 1.1	< 1.0	< 1.1
Sodium	---	---			210	210	190	210	220
Thallium	6.3	---	3.8	38	< 1.1	< 1.1	< 1.1	< 1.0	< 1.1
Vanadium	550	---	980	See TCLP/SPLP	30	30	26	31	33
Zinc	23,000	---	53,000	110,000	58	57	50	55	59

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

Bolded/Shaded values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-007 19010565-008 19010565-010 19010565-011 19010565-012  
Client Sample ID : A-7 A-8 A-10 A-11 A-12  
Date Collected : 01/22/2019 07:30 01/22/2019 07:45 01/22/2019 08:15 01/22/2019 08:30 01/22/2019 08:45  
pH = 7.84 pH = 7.78 pH = 7.93 pH = 7.96 pH = 7.99

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values						
	Ingestion	Inhalation	Class I	Class II					
	pH Range 7.75 to 8.24								
Aluminum					17000	14000	13000	13000	15000
Antimony	31	---	5	20	< 2.2	< 2.2	< 2.3	< 2.3	< 2.2
Arsenic	13.0/11.3	750	31	120	5.1	8.1	3.9	7.2	9.1
Barium	5,500	690,000	2,100	2,100	110	59	71	60	100
Beryllium	160	1,300	8,000	1,000,000	1.1	0.83	0.81	0.81	0.91
Cadmium	78	1,800	430	4,300	< 0.55	< 0.56	< 0.57	< 0.56	< 0.56
Calcium	---	---			67000	60000	61000	64000	81000
Chromium	230	270	28	No Data	<b>35</b>	28	26	26	<b>30</b>
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	16	18	10	14	15
Copper	2,900	---	330,000	330,000	32	29	25	28	29
Cyanide	1,600	---	40	120	< 0.32	< 0.31	< 0.32	< 0.32	< 0.31
Iron		---	See TCLP/SPLP	See TCLP/SPLP	34000	24000	24000	26000	30000
Lead	400	---	107	1,420	15	16	12	16	15
Magnesium	325,000	---			33000	31000	31000	32000	39000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	540	470	390	450	560
Mercury	23	10 / 0.1*	8.0	40	< 0.024	0.028	< 0.023	0.025	< 0.020
Nickel	1,600	13,000	3,800	76,000	47	46	31	39	41
Potassium	---	---			4100	3700	3300	3100	3600
Selenium	390	---	2.4	2.4	1.3	1.4	1.4	1.3	1.4
Silver	390	---	110		< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Sodium	---	---			230	190	190	190	210
Thallium	6.3	---	3.8	38	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Vanadium	550	---	980	See TCLP/SPLP	34	28	29	28	31
Zinc	23,000	---	53,000	110,000	62	56	53	54	58

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

Bolded/Shaded values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-013 19010565-014 19010565-016 19010565-017  
Client Sample ID : A-13 A-14 A-16 A-17  
Date Collected : 01/22/2019 09:00 01/22/2019 09:15 01/22/2019 09:45 01/22/2019 10:00  
pH = 7.95 pH = 7.85 pH = 8.12 pH = 8.13

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values					
	Ingestion	Inhalation	Class I	Class II				
	pH Range 7.75 to 8.24							
Aluminum					14000	12000	12000	13000
Antimony	31	---	5	20	< 2.1	< 2.2	< 2.3	< 2.1
Arsenic	13.0/11.3	750	31	120	12	6.3	7.0	5.0
Barium	5,500	690,000	2,100	2,100	120	33	31	60
Beryllium	160	1,300	8,000	1,000,000	0.94	0.70	0.73	0.82
Cadmium	78	1,800	430	4,300	< 0.54	< 0.56	< 0.57	< 0.53
Calcium	---	---			76000	61000	71000	65000
Chromium	230	270	28	No Data	29	23	24	26
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	16	9.6	9.9	12
Copper	2,900	---	330,000	330,000	39	27	30	30
Cyanide	1,600	---	40	120	< 0.31	< 0.32	0.59	1.1
Iron		---	See TCLP/SPLP	See TCLP/SPLP	33000	27000	26000	27000
Lead	400	---	107	1,420	18	14	16	14
Magnesium	325,000	---			40000	31000	39000	34000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	580	420	450	470
Mercury	23	10 / 0.1*	8.0	40	0.025	0.027	0.030	0.022
Nickel	1,600	13,000	3,800	76,000	45	30	31	36
Potassium	---	---			3800	2800	2700	3100
Selenium	390	---	2.4	2.4	1.6	1.7	1.4	1.4
Silver	390	---	110		< 1.1	< 1.1	< 1.1	< 1.1
Sodium	---	---			200	170	180	180
Thallium	6.3	---	3.8	38	< 1.1	< 1.1	< 1.1	< 1.1
Vanadium	550	---	980	See TCLP/SPLP	31	29	29	28
Zinc	23,000	---	53,000	110,000	63	53	55	58

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

Bolded/Shaded values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-015  
Client Sample ID : A-15  
Date Collected : 01/22/2019 09:30  
pH = 8.26

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values		
	Ingestion	Inhalation	Class I	Class II	
	pH Range 8.25 to 8.74				
Aluminum					14000
Antimony	31	---	5	20	< 2.4
Arsenic	13.0/11.3	750	32	130	4.4
Barium	5,500	690,000	NDA	NDA	51
Beryllium	160	1,300	NDA	NDA	0.79
Cadmium	78	1,800	NDA	NDA	< 0.60
Calcium	---	---			56000
Chromium	230	270	24	No Data	27
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	16
Copper	2,900	---	NDA	NDA	21
Cyanide	1,600	---	40	120	< 0.33
Iron		---	See TCLP/SPLP	See TCLP/SPLP	23000
Lead	400	---	107	1,420	13
Magnesium	325,000	---			26000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	400
Mercury	23	10 / 0.1*	NDA	NDA	0.025
Nickel	1,600	13,000	NDA	NDA	41
Potassium	---	---			3400
Selenium	390	---	1.8	1.8	1.5
Silver	390	---	NDA		< 1.2
Sodium	---	---			170
Thallium	6.3	---	4.4	44	< 1.2
Vanadium	550	---	980	See TCLP/SPLP	27
Zinc	23,000	---	NDA	NDA	55

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

Bolded/Shaded values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.



## TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001 19010565-002 19010565-003 19010565-004 19010565-005 19010565-006 19010565-007  
 Client Sample ID : A-1 A-2 A-3 A-4 A-5 A-6 A-7  
 Date Collected : 01/22/2019 06:00 01/22/2019 06:15 01/22/2019 06:30 01/22/2019 06:45 01/22/2019 07:00 01/22/2019 07:15 01/22/2019 07:30

	Analyte	Concentration of Chemicals in Background Soils									
		City of Chicago	Within MSA	Outside MSA							
PNA	Acenaphthene	0.09	0.13	0.04	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Acenaphthylene	0.03	0.07	0.04	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Anthracene	0.25	0.40	0.14	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Benzo(a)anthracene	1.1	1.8	0.72	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Benzo(a)pyrene	1.3	2.1	0.98	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Benzo(b)fluoranthene	1.5	2.1	0.70	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Benzo(g,h,i)perylene	0.68	1.7	0.84	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Benzo(k)fluoranthene	0.99	1.7	0.63	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Chrysene	1.2	2.7	1.1	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Dibenz(a,h)anthracene	0.20	0.42	0.15	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Fluoranthene	2.7	4.1	1.8	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Fluorene	0.10	0.18	0.04	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Indeno(1,2,3-cd)pyrene	0.86	1.6	0.51	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Naphthalene	0.04	0.20	0.17	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Phenanthrene	1.3	2.5	0.99	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
	Pyrene	1.9	3.0	1.2	< 0.040	< 0.041	< 0.041	< 0.041	< 0.041	< 0.042	< 0.042
INORG	Aluminum		9,500	9,200	13000	14000	15000	13000	15000	16000	17000
	Antimony		4.0	3.3	< 2.1	< 2.3	< 2.2	< 2.2	< 2.1	< 2.1	< 2.2
	Arsenic		13.0	11.3	4.0	13	5.3	4.9	6.4	5.5	5.1
	Barium		110	122	30	48	120	78	91	100	110
	Beryllium		0.59	0.56	0.80	0.91	1.0	0.84	1.0	0.97	1.1
	Cadmium		0.6	0.50	< 0.52	< 0.57	< 0.56	< 0.55	< 0.52	< 0.53	< 0.55
	Calcium		9,300	5,525	69000	64000	68000	66000	63000	74000	67000
	Chromium		16.2	13.0	24	28	30	26	30	32	35
	Cobalt		8.9	8.9	11	20	14	12	12	15	16
	Copper		19.6	12.0	26	29	31	23	29	29	32
	Cyanide		0.51	0.50	< 0.30	< 0.32	< 0.31	< 0.31	< 0.31	< 0.32	< 0.32
	Iron		15,900	15,000	23000	25000	30000	24000	33000	27000	34000
	Lead		36.0	20.9	14	19	15	12	14	15	15
	Magnesium		4,820	2,700	34000	33000	35000	32000	31000	37000	33000
	Manganese		636	630	420	480	540	480	500	540	540
	Mercury		0.06	0.05	0.023	0.026	0.022	0.026	0.026	0.028	< 0.024
	Nickel		18.0	13.0	31	53	42	36	38	41	47
	Potassium		1,268	1,100	2900	3700	3600	3400	4000	4100	4100
	Selenium		0.48	0.37	1.0	1.1	< 1.1	1.3	1.1	1.4	1.3
	Silver		0.55	0.50	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0	< 1.1	< 1.1
	Sodium		130	130.0	810	210	210	190	210	220	230
	Thallium		0.32	0.42	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0	< 1.1	< 1.1
	Vanadium		25.2	25.0	29	30	30	26	31	33	34
	Zinc		95.0	60.2	51	58	57	50	55	59	62

MSA - Metropolitan Statistical Area

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix A Table G and Table H.

Bolded/Shaded values exceed the within MSA background level.

**TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)**

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-008    19010565-009    19010565-010    19010565-011    19010565-012    19010565-013    19010565-014  
Client Sample ID : A-8    A-9    A-10    A-11    A-12    A-13    A-14  
Date Collected : 01/22/2019 07:45    01/22/2019 08:00    01/22/2019 08:15    01/22/2019 08:30    01/22/2019 08:45    01/22/2019 09:00    01/22/2019 09:15

	Analyte	Concentration of Chemicals in Background Soils									
		City of Chicago	Within MSA	Outside MSA							
PNA	Acenaphthene	0.09	0.13	0.04	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Acenaphthylene	0.03	0.07	0.04	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Anthracene	0.25	0.40	0.14	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Benz(a)anthracene	1.1	1.8	0.72	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Benzo(a)pyrene	1.3	2.1	0.98	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Benzo(b)fluoranthene	1.5	2.1	0.70	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Benzo(g,h,i)perylene	0.68	1.7	0.84	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Benzo(k)fluoranthene	0.99	1.7	0.63	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Chrysene	1.2	2.7	1.1	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Dibenz(a,h)anthracene	0.20	0.42	0.15	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Fluoranthene	2.7	4.1	1.8	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Fluorene	0.10	0.18	0.04	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Indeno(1,2,3-cd)pyrene	0.86	1.6	0.51	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Naphthalene	0.04	0.20	0.17	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Phenanthrene	1.3	2.5	0.99	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
	Pyrene	1.9	3.0	1.2	< 0.041	< 0.039	< 0.041	< 0.042	< 0.041	< 0.040	< 0.043
INORG	Aluminum		9,500	9,200	14000	16000	13000	13000	15000	14000	12000
	Antimony		4.0	3.3	< 2.2	< 2.2	< 2.3	< 2.3	< 2.2	< 2.1	< 2.2
	Arsenic		13.0	11.3	8.1	6.9	3.9	7.2	9.1	12	6.3
	Barium		110	122	59	95	71	60	100	120	33
	Beryllium		0.59	0.56	0.83	0.97	0.81	0.81	0.91	0.94	0.70
	Cadmium		0.6	0.50	< 0.56	< 0.54	< 0.57	< 0.56	< 0.56	< 0.54	< 0.56
	Calcium		9,300	5,525	60000	76000	61000	64000	81000	76000	61000
	Chromium		16.2	13.0	28	30	26	26	30	29	23
	Cobalt		8.9	8.9	18	16	10	14	15	16	9.6
	Copper		19.6	12.0	29	31	25	28	29	39	27
	Cyanide		0.51	0.50	< 0.31	< 0.30	< 0.32	< 0.32	< 0.31	< 0.31	< 0.32
	Iron		15,900	15,000	24000	27000	24000	26000	30000	33000	27000
	Lead		36.0	20.9	16	15	12	16	15	18	14
	Magnesium		4,820	2,700	31000	38000	31000	32000	39000	40000	31000
	Manganese		636	630	470	540	390	450	560	580	420
	Mercury		0.06	0.05	0.028	< 0.021	< 0.023	0.025	< 0.020	0.025	0.027
	Nickel		18.0	13.0	46	42	31	39	41	45	30
	Potassium		1,268	1,100	3700	4100	3300	3100	3600	3800	2800
	Selenium		0.48	0.37	1.4	1.3	1.4	1.3	1.4	1.6	1.7
	Silver		0.55	0.50	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
	Sodium		130	130.0	190	230	190	190	210	200	170
	Thallium		0.32	0.42	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
	Vanadium		25.2	25.0	28	33	29	28	31	31	29
	Zinc		95.0	60.2	56	58	53	54	58	63	53

MSA - Metropolitan Statistical Area

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix A Table G and Table H.

Bolded/Shaded values exceed the within MSA background level.

TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-015 19010565-016 19010565-017  
Client Sample ID : A-15 A-16 A-17  
Date Collected : 01/22/2019 09:30 01/22/2019 09:45 01/22/2019 10:00

	Analyte	Concentration of Chemicals in Background Soils					
		City of Chicago	Within MSA	Outside MSA			
PNA	Acenaphthene	0.09	0.13	0.04	< 0.043	< 0.043	< 0.041
	Acenaphthylene	0.03	0.07	0.04	< 0.043	< 0.043	< 0.041
	Anthracene	0.25	0.40	0.14	< 0.043	< 0.043	< 0.041
	Benz(a)anthracene	1.1	1.8	0.72	< 0.043	< 0.043	< 0.041
	Benzo(a)pyrene	1.3	2.1	0.98	< 0.043	< 0.043	< 0.041
	Benzo(b)fluoranthene	1.5	2.1	0.70	< 0.043	< 0.043	< 0.041
	Benzo(g,h,i)perylene	0.68	1.7	0.84	< 0.043	< 0.043	< 0.041
	Benzo(k)fluoranthene	0.99	1.7	0.63	< 0.043	< 0.043	< 0.041
	Chrysene	1.2	2.7	1.1	< 0.043	< 0.043	< 0.041
	Dibenz(a,h)anthracene	0.20	0.42	0.15	< 0.043	< 0.043	< 0.041
	Fluoranthene	2.7	4.1	1.8	< 0.043	< 0.043	< 0.041
	Fluorene	0.10	0.18	0.04	< 0.043	< 0.043	< 0.041
	Indeno(1,2,3-cd)pyrene	0.86	1.6	0.51	< 0.043	< 0.043	< 0.041
	Naphthalene	0.04	0.20	0.17	< 0.043	< 0.043	< 0.041
	Phenanthrene	1.3	2.5	0.99	< 0.043	< 0.043	< 0.041
	Pyrene	1.9	3.0	1.2	< 0.043	< 0.043	< 0.041
INORG	Aluminum		9,500	9,200	<b>14000</b>	<b>12000</b>	<b>13000</b>
	Antimony		4.0	3.3	< 2.4	< 2.3	< 2.1
	Arsenic		13.0	11.3	4.4	7.0	5.0
	Barium		110	122	51	31	60
	Beryllium		0.59	0.56	<b>0.79</b>	<b>0.73</b>	<b>0.82</b>
	Cadmium		0.6	0.50	< 0.60	< 0.57	< 0.53
	Calcium		9,300	5,525	<b>56000</b>	<b>71000</b>	<b>65000</b>
	Chromium		16.2	13.0	<b>27</b>	<b>24</b>	<b>26</b>
	Cobalt		8.9	8.9	<b>16</b>	<b>9.9</b>	<b>12</b>
	Copper		19.6	12.0	<b>21</b>	<b>30</b>	<b>30</b>
	Cyanide		0.51	0.50	< 0.33	<b>0.59</b>	<b>1.1</b>
	Iron		15,900	15,000	<b>23000</b>	<b>26000</b>	<b>27000</b>
	Lead		36.0	20.9	13	16	14
	Magnesium		4,820	2,700	<b>26000</b>	<b>39000</b>	<b>34000</b>
	Manganese		636	630	400	450	470
	Mercury		0.06	0.05	0.025	0.030	0.022
	Nickel		18.0	13.0	<b>41</b>	<b>31</b>	<b>36</b>
	Potassium		1,268	1,100	<b>3400</b>	<b>2700</b>	<b>3100</b>
	Selenium		0.48	0.37	<b>1.5</b>	<b>1.4</b>	<b>1.4</b>
	Silver		0.55	0.50	< 1.2	< 1.1	< 1.1
	Sodium		130	130.0	<b>170</b>	<b>180</b>	<b>180</b>
	Thallium		0.32	0.42	< 1.2	< 1.1	< 1.1
	Vanadium		25.2	25.0	<b>27</b>	<b>29</b>	<b>28</b>
	Zinc		95.0	60.2	55	55	58

MSA - Metropolitan Statistical Area

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix A Table G and Table H.

Bolded/Shaded values exceed the within MSA background level.

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-001 19010565-002 19010565-003  
 Client Sample ID : A-1 A-2 A-3  
 Date Collected : 01/22/2019 06:00 01/22/2019 06:15 01/22/2019 06:30

		Soil Saturation Limits for Chemicals With Melting Point < 30°C				
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route			
CAS No.	Analyte	C <sub>int</sub> (mg/Kg)	C <sub>int</sub> (mg/Kg)			
VOC	67-64-1 Acetone	100,000	200,000	< 0.078	< 0.082	< 0.090
	71-43-2 Benzene	800	580	< 0.0052	< 0.0054	< 0.0060
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0052	< 0.0054	< 0.0060
	75-25-2 Bromoform	2,000	1,200	< 0.0052	< 0.0054	< 0.0060
	74-83-9 Bromomethane	3,100	3,600	< 0.010	< 0.011	< 0.012
	78-93-3 2-Butanone	25,000	45,000	< 0.078	< 0.082	< 0.090
	75-15-0 Carbon disulfide	850	520	< 0.052	< 0.054	< 0.060
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0052	< 0.0054	< 0.0060
	108-90-7 Chlorobenzene	620	290	< 0.0052	< 0.0054	< 0.0060
	67-66-3 Chloroform	3,400	2,500	< 0.0052	< 0.0054	< 0.0060
	124-48-1 Dibromochloromethane	1,400	890	< 0.0052	< 0.0054	< 0.0060
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0052	< 0.0054	< 0.0060
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0052	< 0.0054	< 0.0060
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0052	< 0.0054	< 0.0060
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0052	< 0.0054	< 0.0060
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0052	< 0.0054	< 0.0060
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0052	< 0.0054	< 0.0060
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0020	< 0.0021	< 0.0024
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0020	< 0.0021	< 0.0024
	100-41-4 Ethylbenzene	350	150	< 0.0052	< 0.0054	< 0.0060
	75-09-2 Methylene chloride	2,500	3,000	< 0.010	< 0.011	< 0.012
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0052	< 0.0054	< 0.0060
	100-42-5 Styrene	630	260	< 0.0052	< 0.0054	< 0.0060
	127-18-4 Tetrachloroethene	800	310	< 0.0052	< 0.0054	< 0.0060
	108-88-3 Toluene	580	290	< 0.0052	< 0.0054	< 0.0060
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0052	< 0.0054	< 0.0060
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0052	< 0.0054	< 0.0060
	79-01-6 Trichloroethene	1,200	650	< 0.0052	< 0.0054	< 0.0060
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0052	< 0.0054	< 0.0060
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.016	< 0.016	< 0.017
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.20	< 0.21	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.20	< 0.21	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.20	< 0.21	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.20	< 0.21	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.20	< 0.21	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 0.99	< 1.0	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.20	< 0.21	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.20	< 0.21	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.20	< 0.21	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.20	< 0.21	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.20	< 0.21	< 0.21
	78-59-1 Isophorone	3,000	3,000	< 0.20	< 0.21	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.040	< 0.041	< 0.041
	98-95-3 Nitrobenzene	710	590	< 0.040	< 0.041	< 0.041
INORG	7439-97-6 Mercury	3.1	N/A	0.023	0.026	0.022

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-004 19010565-005 19010565-006  
 Client Sample ID : A-4 A-5 A-6  
 Date Collected : 01/22/2019 06:45 01/22/2019 07:00 01/22/2019 07:15

		Soil Saturation Limits for Chemicals With Melting Point < 30°C					
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route				
CAS No.	Analyte	C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)				
VOC	67-64-1	Acetone	100,000	200,000	< 0.087	< 0.071	< 0.079
	71-43-2	Benzene	800	580	< 0.0058	< 0.0047	< 0.0052
	75-27-4	Bromodichloromethane	2,800	2,000	< 0.0058	< 0.0047	< 0.0052
	75-25-2	Bromoform	2,000	1,200	< 0.0058	< 0.0047	< 0.0052
	74-83-9	Bromomethane	3,100	3,600	< 0.012	< 0.0095	< 0.011
	78-93-3	2-Butanone	25,000	45,000	< 0.087	< 0.071	< 0.079
	75-15-0	Carbon disulfide	850	520	< 0.058	< 0.047	< 0.052
	56-23-5	Carbon tetrachloride	1,200	560	< 0.0058	< 0.0047	< 0.0052
	108-90-7	Chlorobenzene	620	290	< 0.0058	< 0.0047	< 0.0052
	67-66-3	Chloroform	3,400	2,500	< 0.0058	< 0.0047	< 0.0052
	124-48-1	Dibromochloromethane	1,400	890	< 0.0058	< 0.0047	< 0.0052
	75-34-3	1,1-Dichloroethane	1,700	1,400	< 0.0058	< 0.0047	< 0.0052
	107-06-2	1,2-Dichloroethane	1,900	2,100	< 0.0058	< 0.0047	< 0.0052
	75-35-4	1,1-Dichloroethene	1,400	910	< 0.0058	< 0.0047	< 0.0052
	156-59-2	cis-1,2-Dichloroethene	1,300	1,000	< 0.0058	< 0.0047	< 0.0052
	156-60-5	trans-1,2-Dichloroethene	3,000	2,100	< 0.0058	< 0.0047	< 0.0052
	78-87-5	1,2-Dichloropropane	1,200	870	< 0.0058	< 0.0047	< 0.0052
	10061-01-5	cis-1,3-Dichloropropene	1,000	850	< 0.0023	< 0.0019	< 0.0022
	10061-02-6	trans-1,3-Dichloropropene	1,000	850	< 0.0023	< 0.0019	< 0.0022
	100-41-4	Ethylbenzene	350	150	< 0.0058	< 0.0047	< 0.0052
	75-09-2	Methylene chloride	2,500	3,000	< 0.012	< 0.0095	< 0.011
	1634-04-4	Methyl tert-butyl ether	8,400	11,000	< 0.0058	< 0.0047	< 0.0052
	100-42-5	Styrene	630	260	< 0.0058	< 0.0047	< 0.0052
	127-18-4	Tetrachloroethene	800	310	< 0.0058	< 0.0047	< 0.0052
	108-88-3	Toluene	580	290	< 0.0058	< 0.0047	< 0.0052
	71-55-6	1,1,1-Trichloroethane	1,300	670	< 0.0058	< 0.0047	< 0.0052
	79-00-5	1,1,2-Trichloroethane	1,800	1,300	< 0.0058	< 0.0047	< 0.0052
	79-01-6	Trichloroethene	1,200	650	< 0.0058	< 0.0047	< 0.0052
	75-01-4	Vinyl chloride	2,600	2,900	< 0.0058	< 0.0047	< 0.0052
SVOC	1330-20-7	Xylenes, Total	280	110	< 0.018	< 0.014	< 0.015
	120-82-1	1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.21	< 0.21
	95-50-1	1,2-Dichlorobenzene	560	210	< 0.21	< 0.21	< 0.21
	105-67-9	2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.21	< 0.21
	95-57-8	2-Chlorophenol	10,000	7,100	< 0.21	< 0.21	< 0.21
	111-44-4	Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.21	< 0.21
	117-81-7	Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.0	< 1.0
	85-68-7	Butyl benzyl phthalate	1,000	340	< 0.21	< 0.21	< 0.21
	84-74-2	Di-n-butyl phthalate	2,600	880	< 0.21	< 0.21	< 0.21
	117-84-0	Di-n-octyl phthalate	16	5.2	< 0.21	< 0.21	< 0.21
	84-66-2	Diethyl phthalate	2,200	920	< 0.21	< 0.21	< 0.21
	77-47-4	Hexachlorocyclopentadiene	130	44	< 0.21	< 0.21	< 0.21
	78-59-1	Isophorone	3,000	3,000	< 0.21	< 0.21	< 0.21
	621-64-7	N-Nitrosodi-n-propylamine	1,900	2,300	< 0.041	< 0.041	< 0.042
	98-95-3	Nitrobenzene	710	590	< 0.041	< 0.041	< 0.042
	INORG	7439-97-6	Mercury	3.1	N/A	0.026	0.026

**TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)**

Client: Environmental Group Services, Ltd.  
Project: Franklin-EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-007    19010565-008    19010565-009  
Client Sample ID : A-7    A-8    A-9  
Date Collected : 01/22/2019 07:30    01/22/2019 07:45    01/22/2019 08:00

		Soil Saturation Limits for Chemicals With Melting Point < 30°C				
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route			
CAS No.	Analyte	C <sub>int</sub> (mg/Kg)	C <sub>int</sub> (mg/Kg)			
VOC	67-64-1 Acetone	100,000	200,000	< 0.093	< 0.10	< 0.079
	71-43-2 Benzene	800	580	< 0.0062	< 0.0068	< 0.0053
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0062	< 0.0068	< 0.0053
	75-25-2 Bromoform	2,000	1,200	< 0.0062	< 0.0068	< 0.0053
	74-83-9 Bromomethane	3,100	3,600	< 0.012	< 0.014	< 0.011
	78-93-3 2-Butanone	25,000	45,000	< 0.093	< 0.10	< 0.079
	75-15-0 Carbon disulfide	850	520	< 0.062	< 0.068	< 0.053
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0062	< 0.0068	< 0.0053
	108-90-7 Chlorobenzene	620	290	< 0.0062	< 0.0068	< 0.0053
	67-66-3 Chloroform	3,400	2,500	< 0.0062	< 0.0068	< 0.0053
	124-48-1 Dibromochloromethane	1,400	890	< 0.0062	< 0.0068	< 0.0053
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0062	< 0.0068	< 0.0053
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0062	< 0.0068	< 0.0053
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0062	< 0.0068	< 0.0053
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0062	< 0.0068	< 0.0053
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0062	< 0.0068	< 0.0053
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0062	< 0.0068	< 0.0053
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0025	< 0.0028	< 0.0022
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0025	< 0.0028	< 0.0022
	100-41-4 Ethylbenzene	350	150	< 0.0062	< 0.0068	< 0.0053
	75-09-2 Methylene chloride	2,500	3,000	< 0.012	< 0.014	< 0.011
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0062	< 0.0068	< 0.0053
	100-42-5 Styrene	630	260	< 0.0062	< 0.0068	< 0.0053
	127-18-4 Tetrachloroethene	800	310	< 0.0062	< 0.0068	< 0.0053
	108-88-3 Toluene	580	290	< 0.0062	< 0.0068	< 0.0053
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0062	< 0.0068	< 0.0053
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0062	< 0.0068	< 0.0053
	79-01-6 Trichloroethene	1,200	650	< 0.0062	< 0.0068	< 0.0053
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0062	< 0.0068	< 0.0053
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.018	< 0.020	< 0.016
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.22	< 0.21	< 0.20
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.22	< 0.21	< 0.20
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.22	< 0.21	< 0.20
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.22	< 0.21	< 0.20
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.22	< 0.21	< 0.20
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.1	< 1.0	< 0.98
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.22	< 0.21	< 0.20
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.22	< 0.21	< 0.20
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.22	< 0.21	< 0.20
	84-66-2 Diethyl phthalate	2,200	920	< 0.22	< 0.21	< 0.20
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.22	< 0.21	< 0.20
	78-59-1 Isophorone	3,000	3,000	< 0.22	< 0.21	< 0.20
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.042	< 0.041	< 0.039
	98-95-3 Nitrobenzene	710	590	< 0.042	< 0.041	< 0.039
INORG	7439-97-6 Mercury	3.1	N/A	< 0.024	0.028	< 0.021

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-010 19010565-011 19010565-012  
 Client Sample ID : A-10 A-11 A-12  
 Date Collected : 01/22/2019 08:15 01/22/2019 08:30 01/22/2019 08:45

		Soil Saturation Limits for Chemicals With Melting Point < 30°C				
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route			
CAS No.	Analyte	C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)			
VOC	67-64-1 Acetone	100,000	200,000	0.17	0.15	< 0.085
	71-43-2 Benzene	800	580	< 0.0071	< 0.0062	< 0.0058
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0071	< 0.0062	< 0.0058
	75-25-2 Bromoform	2,000	1,200	< 0.0071	< 0.0062	< 0.0058
	74-83-9 Bromomethane	3,100	3,600	< 0.014	< 0.012	< 0.011
	78-93-3 2-Butanone	25,000	45,000	< 0.11	< 0.092	< 0.085
	75-15-0 Carbon disulfide	850	520	< 0.071	< 0.062	< 0.058
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0071	< 0.0062	< 0.0058
	108-90-7 Chlorobenzene	620	290	< 0.0071	< 0.0062	< 0.0058
	67-66-3 Chloroform	3,400	2,500	< 0.0071	< 0.0062	< 0.0058
	124-48-1 Dibromochloromethane	1,400	890	< 0.0071	< 0.0062	< 0.0058
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0071	< 0.0062	< 0.0058
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0071	< 0.0062	< 0.0058
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0071	< 0.0062	< 0.0058
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0071	< 0.0062	< 0.0058
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0071	< 0.0062	< 0.0058
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0071	< 0.0062	< 0.0058
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0028	< 0.0024	< 0.0023
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0028	< 0.0024	< 0.0023
	100-41-4 Ethylbenzene	350	150	< 0.0071	< 0.0062	< 0.0058
	75-09-2 Methylene chloride	2,500	3,000	< 0.014	< 0.012	< 0.011
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0071	< 0.0062	< 0.0058
	100-42-5 Styrene	630	260	< 0.0071	< 0.0062	< 0.0058
	127-18-4 Tetrachloroethene	800	310	< 0.0071	< 0.0062	< 0.0058
	108-88-3 Toluene	580	290	< 0.0071	< 0.0062	< 0.0058
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0071	< 0.0062	< 0.0058
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0071	< 0.0062	< 0.0058
	79-01-6 Trichloroethene	1,200	650	< 0.0071	< 0.0062	< 0.0058
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0071	< 0.0062	< 0.0058
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.021	< 0.018	< 0.018
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.22	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.22	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.22	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.22	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.22	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.1	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.22	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.22	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.22	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.22	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.22	< 0.21
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.22	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.041	< 0.042	< 0.041
	98-95-3 Nitrobenzene	710	590	< 0.041	< 0.042	< 0.041
INORG	7439-97-6 Mercury	3.1	N/A	< 0.023	0.025	< 0.020



## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-013 19010565-014 19010565-015  
 Client Sample ID : A-13 A-14 A-15  
 Date Collected : 01/22/2019 09:00 01/22/2019 09:15 01/22/2019 09:30

		Soil Saturation Limits for Chemicals With Melting Point < 30°C				
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route			
CAS No.	Analyte	C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)			
VOC	67-64-1 Acetone	100,000	200,000	< 0.076	< 0.078	0.084
	71-43-2 Benzene	800	580	< 0.0050	< 0.0052	< 0.0055
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0050	< 0.0052	< 0.0055
	75-25-2 Bromoform	2,000	1,200	< 0.0050	< 0.0052	< 0.0055
	74-83-9 Bromomethane	3,100	3,600	< 0.010	< 0.011	< 0.011
	78-93-3 2-Butanone	25,000	45,000	< 0.076	< 0.078	< 0.083
	75-15-0 Carbon disulfide	850	520	< 0.050	< 0.052	< 0.055
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0050	< 0.0052	< 0.0055
	108-90-7 Chlorobenzene	620	290	< 0.0050	< 0.0052	< 0.0055
	67-66-3 Chloroform	3,400	2,500	< 0.0050	< 0.0052	< 0.0055
	124-48-1 Dibromochloromethane	1,400	890	< 0.0050	< 0.0052	< 0.0055
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0050	< 0.0052	< 0.0055
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0050	< 0.0052	< 0.0055
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0050	< 0.0052	< 0.0055
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0050	< 0.0052	< 0.0055
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0050	< 0.0052	< 0.0055
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0050	< 0.0052	< 0.0055
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0020	< 0.0021	< 0.0022
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0020	< 0.0021	< 0.0022
	100-41-4 Ethylbenzene	350	150	< 0.0050	< 0.0052	< 0.0055
	75-09-2 Methylene chloride	2,500	3,000	< 0.010	< 0.011	< 0.011
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0050	< 0.0052	< 0.0055
	100-42-5 Styrene	630	260	< 0.0050	< 0.0052	< 0.0055
	127-18-4 Tetrachloroethene	800	310	< 0.0050	< 0.0052	< 0.0055
	108-88-3 Toluene	580	290	< 0.0050	< 0.0052	< 0.0055
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0050	< 0.0052	< 0.0055
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0050	< 0.0052	< 0.0055
	79-01-6 Trichloroethene	1,200	650	< 0.0050	< 0.0052	< 0.0055
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0050	< 0.0052	< 0.0055
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.015	< 0.016	< 0.017
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.22	< 0.22
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.22	< 0.22
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.22	< 0.22
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.22	< 0.22
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.22	< 0.22
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.1	< 1.1
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.22	< 0.22
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.22	< 0.22
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.22	< 0.22
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.22	< 0.22
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.22	< 0.22
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.22	< 0.22
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.040	< 0.043	< 0.043
	98-95-3 Nitrobenzene	710	590	< 0.040	< 0.043	< 0.043
INORG	7439-97-6 Mercury	3.1	N/A	0.025	0.027	0.025

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010565-016 19010565-017  
 Client Sample ID : A-16 A-17  
 Date Collected : 01/22/2019 09:45 01/22/2019 10:00

		Soil Saturation Limits for Chemicals With Melting Point < 30°C			
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route		
		C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)		
CAS No.	Analyte				
VOC	67-64-1 Acetone	100,000	200,000	< 0.082	< 0.076
	71-43-2 Benzene	800	580	< 0.0054	< 0.0051
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0054	< 0.0051
	75-25-2 Bromoform	2,000	1,200	< 0.0054	< 0.0051
	74-83-9 Bromomethane	3,100	3,600	< 0.011	< 0.010
	78-93-3 2-Butanone	25,000	45,000	< 0.082	< 0.076
	75-15-0 Carbon disulfide	850	520	< 0.054	< 0.051
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0054	< 0.0051
	108-90-7 Chlorobenzene	620	290	< 0.0054	< 0.0051
	67-66-3 Chloroform	3,400	2,500	< 0.0054	< 0.0051
	124-48-1 Dibromochloromethane	1,400	890	< 0.0054	< 0.0051
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0054	< 0.0051
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0054	< 0.0051
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0054	< 0.0051
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0054	< 0.0051
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0054	< 0.0051
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0054	< 0.0051
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0022	< 0.0020
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0022	< 0.0020
	100-41-4 Ethylbenzene	350	150	< 0.0054	< 0.0051
	75-09-2 Methylene chloride	2,500	3,000	< 0.011	< 0.010
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0054	< 0.0051
	100-42-5 Styrene	630	260	< 0.0054	< 0.0051
	127-18-4 Tetrachloroethene	800	310	< 0.0054	< 0.0051
	108-88-3 Toluene	580	290	< 0.0054	< 0.0051
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0054	< 0.0051
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0054	< 0.0051
	79-01-6 Trichloroethene	1,200	650	< 0.0054	< 0.0051
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0054	< 0.0051
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.017	< 0.015
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.22	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.22	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.22	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.22	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.22	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.1	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.22	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.22	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.22	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.22	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.22	< 0.21
	78-59-1 Isophorone	3,000	3,000	< 0.22	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.043	< 0.041
	98-95-3 Nitrobenzene	710	590	< 0.043	< 0.041
INORG	7439-97-6 Mercury	3.1	N/A	0.030	0.022

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Aluminum	A-1	13000	9,500	Within MSA Background Outside MSA Background
		A-10	13000	9,200	
		A-11	13000		
		A-12	15000		
		A-13	14000		
		A-14	12000		
		A-15	14000		
		A-16	12000		
		A-17	13000		
		A-2	14000		
		A-3	15000		
		A-4	13000		
		A-5	15000		
		A-6	16000		
		A-7	17000		
		A-8	14000		
		A-9	16000		
INORG	Arsenic	A-13	12	11.3	Outside MSA Background
		A-2	13		
INORG	Barium	A-13	120	110	Within MSA Background
		A-3	120		
INORG	Beryllium	A-1	0.80	0.59	Within MSA Background Outside MSA Background
		A-10	0.81	0.56	
		A-11	0.81		
		A-12	0.91		
		A-13	0.94		
		A-14	0.70		
		A-15	0.79		
		A-16	0.73		
		A-17	0.82		
		A-2	0.91		
		A-3	1.0		
		A-4	0.84		
		A-5	1.0		
		A-6	0.97		
		A-7	1.1		
		A-8	0.83		
		A-9	0.97		
INORG	Calcium	A-1	69000	9,300	Within MSA Background Outside MSA Background
		A-10	61000	5,525	
		A-11	64000		
		A-12	81000		
		A-13	76000		
		A-14	61000		
		A-15	56000		
		A-16	71000		
		A-17	65000		
		A-2	64000		
		A-3	68000		
		A-4	66000		
		A-5	63000		
		A-6	74000		
		A-7	67000		
		A-8	60000		
		A-9	76000		

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Chromium	A-1	24	24	pH Specific SCGIR Class I pH Specific SCGIR Class I Within MSA Background Outside MSA Background
		A-10	26	28	
		A-11	26	16.2	
		A-12	30	13.0	
		A-13	29		
		A-14	23		
		A-15	27		
		A-16	24		
		A-17	26		
		A-2	28		
		A-3	30		
		A-4	26		
		A-5	30		
		A-6	32		
		A-7	35		
		A-8	28		
		A-9	30		
INORG	Cobalt	A-1	11	8.9	Within MSA Background Outside MSA Background
		A-10	10	8.9	
		A-11	14		
		A-12	15		
		A-13	16		
		A-14	9.6		
		A-15	16		
		A-16	9.9		
		A-17	12		
		A-2	20		
		A-3	14		
		A-4	12		
		A-5	12		
		A-6	15		
		A-7	16		
		A-8	18		
		A-9	16		
INORG	Copper	A-1	26	19.6	Within MSA Background Outside MSA Background
		A-10	25	12.0	
		A-11	28		
		A-12	29		
		A-13	39		
		A-14	27		
		A-15	21		
		A-16	30		
		A-17	30		
		A-2	29		
		A-3	31		
		A-4	23		
		A-5	29		
		A-6	29		
		A-7	32		
		A-8	29		
		A-9	31		
INORG	Cyanide	A-16	0.59	0.51	Within MSA Background Outside MSA Background
		A-17	1.1	0.50	

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Iron	A-1	23000	15,900	Within MSA Background Outside MSA Background
		A-10	24000	15,000	
		A-11	26000		
		A-12	30000		
		A-13	33000		
		A-14	27000		
		A-15	23000		
		A-16	26000		
		A-17	27000		
		A-2	25000		
		A-3	30000		
		A-4	24000		
		A-5	33000		
		A-6	27000		
		A-7	34000		
		A-8	24000		
		A-9	27000		
INORG	Magnesium	A-1	34000	4,820	Within MSA Background Outside MSA Background
		A-10	31000	2,700	
		A-11	32000		
		A-12	39000		
		A-13	40000		
		A-14	31000		
		A-15	26000		
		A-16	39000		
		A-17	34000		
		A-2	33000		
		A-3	35000		
		A-4	32000		
		A-5	31000		
		A-6	37000		
		A-7	33000		
		A-8	31000		
		A-9	38000		
INORG	Nickel	A-1	31	18.0	Within MSA Background Outside MSA Background
		A-10	31	13.0	
		A-11	39		
		A-12	41		
		A-13	45		
		A-14	30		
		A-15	41		
		A-16	31		
		A-17	36		
		A-2	53		
		A-3	42		
		A-4	36		
		A-5	38		
		A-6	41		
		A-7	47		
		A-8	46		
		A-9	42		

**TACO Tier I Soil Remediation Objectives - Residential Exceedance Report**

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Potassium	A-1	2900	1,268	Within MSA Background Outside MSA Background
		A-10	3300	1,100	
		A-11	3100		
		A-12	3600		
		A-13	3800		
		A-14	2800		
		A-15	3400		
		A-16	2700		
		A-17	3100		
		A-2	3700		
		A-3	3600		
		A-4	3400		
		A-5	4000		
		A-6	4100		
		A-7	4100		
		A-8	3700		
		A-9	4100		
INORG	Selenium	A-10	1.4	0.48	Within MSA Background Outside MSA Background
		A-11	1.3	0.37	
		A-12	1.4		
		A-13	1.6		
		A-14	1.7		
		A-15	1.5		
		A-16	1.4		
		A-17	1.4		
		A-4	1.3		
		A-5	1.1		
		A-6	1.4		
		A-7	1.3		
		A-8	1.4		
		A-9	1.3		
INORG	Sodium	A-1	810	130	Within MSA Background Outside MSA Background
		A-10	190	130.0	
		A-11	190		
		A-12	210		
		A-13	200		
		A-14	170		
		A-15	170		
		A-16	180		
		A-17	180		
		A-2	210		
		A-3	210		
		A-4	190		
		A-5	210		
		A-6	220		
		A-7	230		
		A-8	190		
		A-9	230		

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Vanadium	A-1	29	25.2	Within MSA Background Outside MSA Background
		A-10	29	25.0	
		A-11	28		
		A-12	31		
		A-13	31		
		A-14	29		
		A-15	27		
		A-16	29		
		A-17	28		
		A-2	30		
		A-3	30		
		A-4	26		
		A-5	31		
		A-6	33		
		A-7	34		
		A-8	28		
		A-9	33		
INORG	Zinc	A-13	63	60.2	Outside MSA Background
		A-7	62		
TCLP	Lead	A-11	0.014 *	0.0075	SCGIR Class I
		A-9	0.010 *		
TCLP	Manganese	A-1	2.5 *	0.15	SCGIR Class I
		A-10	2.9 *		
		A-11	5.5 *		
		A-12	3.5 *		
		A-13	3.6 *		
		A-14	2.3 *		
		A-15	2.7 *		
		A-16	2.3 *		
		A-17	3.3 *		
		A-2	3.4 *		
		A-3	2.2 *		
		A-4	3.7 *		
		A-5	3.5 *		
		A-6	3.0 *		
		A-7	4.0 *		
		A-8	3.4 *		
		A-9	7.0 *		
TCLP	Nickel	A-11	0.12 *	0.1	SCGIR Class I
		A-3	0.15 *		



# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
TCLP	Manganese	A-1	2.5 *	0.15	SCGIR Class I
TCLP	Manganese	A-2	3.4 *	0.15	SCGIR Class I
TCLP	Manganese	A-3	2.2 *	0.15	SCGIR Class I
TCLP	Nickel	A-3	0.15 *	0.1	SCGIR Class I
TCLP	Manganese	A-4	3.7 *	0.15	SCGIR Class I
TCLP	Manganese	A-5	3.5 *	0.15	SCGIR Class I
TCLP	Manganese	A-6	3.0 *	0.15	SCGIR Class I
TCLP	Manganese	A-7	4.0 *	0.15	SCGIR Class I
TCLP	Manganese	A-8	3.4 *	0.15	SCGIR Class I
TCLP	Lead	A-9	0.010 *	0.0075	SCGIR Class I
TCLP	Manganese	A-9	7.0 *	0.15	SCGIR Class I
TCLP	Manganese	A-10	2.9 *	0.15	SCGIR Class I
TCLP	Lead	A-11	0.014 *	0.0075	SCGIR Class I
TCLP	Manganese	A-11	5.5 *	0.15	SCGIR Class I
TCLP	Nickel	A-11	0.12 *	0.1	SCGIR Class I
TCLP	Manganese	A-12	3.5 *	0.15	SCGIR Class I
TCLP	Manganese	A-13	3.6 *	0.15	SCGIR Class I
TCLP	Manganese	A-14	2.3 *	0.15	SCGIR Class I
TCLP	Manganese	A-15	2.7 *	0.15	SCGIR Class I
TCLP	Manganese	A-16	2.3 *	0.15	SCGIR Class I
TCLP	Manganese	A-17	3.3 *	0.15	SCGIR Class I
INORG	Chromium	A-3	30	28	pH Specific SCGIR Class I
INORG	Chromium	A-5	30	28	pH Specific SCGIR Class I
INORG	Chromium	A-6	32	28	pH Specific SCGIR Class I
INORG	Chromium	A-7	35	28	pH Specific SCGIR Class I
INORG	Chromium	A-12	30	28	pH Specific SCGIR Class I
INORG	Chromium	A-13	29	28	pH Specific SCGIR Class I
INORG	Chromium	A-15	27	24	pH Specific SCGIR Class I
INORG	Aluminum	A-1	13000	9,500	Within MSA Background
INORG	Beryllium	A-1	0.80	0.59	Within MSA Background
INORG	Calcium	A-1	69000	9,300	Within MSA Background
INORG	Chromium	A-1	24	16.2	Within MSA Background
INORG	Cobalt	A-1	11	8.9	Within MSA Background
INORG	Copper	A-1	26	19.6	Within MSA Background
INORG	Iron	A-1	23000	15,900	Within MSA Background
INORG	Magnesium	A-1	34000	4,820	Within MSA Background
INORG	Nickel	A-1	31	18.0	Within MSA Background
INORG	Potassium	A-1	2900	1,268	Within MSA Background
INORG	Sodium	A-1	810	130	Within MSA Background
INORG	Vanadium	A-1	29	25.2	Within MSA Background
INORG	Aluminum	A-2	14000	9,500	Within MSA Background
INORG	Beryllium	A-2	0.91	0.59	Within MSA Background
INORG	Calcium	A-2	64000	9,300	Within MSA Background
INORG	Chromium	A-2	28	16.2	Within MSA Background
INORG	Cobalt	A-2	20	8.9	Within MSA Background
INORG	Copper	A-2	29	19.6	Within MSA Background
INORG	Iron	A-2	25000	15,900	Within MSA Background
INORG	Magnesium	A-2	33000	4,820	Within MSA Background
INORG	Nickel	A-2	53	18.0	Within MSA Background
INORG	Potassium	A-2	3700	1,268	Within MSA Background
INORG	Sodium	A-2	210	130	Within MSA Background
INORG	Vanadium	A-2	30	25.2	Within MSA Background
INORG	Aluminum	A-3	15000	9,500	Within MSA Background
INORG	Barium	A-3	120	110	Within MSA Background
INORG	Beryllium	A-3	1.0	0.59	Within MSA Background
INORG	Calcium	A-3	68000	9,300	Within MSA Background
INORG	Chromium	A-3	30	16.2	Within MSA Background
INORG	Cobalt	A-3	14	8.9	Within MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Copper	A-3	31	19.6	Within MSA Background
INORG	Iron	A-3	30000	15,900	Within MSA Background
INORG	Magnesium	A-3	35000	4,820	Within MSA Background
INORG	Nickel	A-3	42	18.0	Within MSA Background
INORG	Potassium	A-3	3600	1,268	Within MSA Background
INORG	Sodium	A-3	210	130	Within MSA Background
INORG	Vanadium	A-3	30	25.2	Within MSA Background
INORG	Aluminum	A-4	13000	9,500	Within MSA Background
INORG	Beryllium	A-4	0.84	0.59	Within MSA Background
INORG	Calcium	A-4	66000	9,300	Within MSA Background
INORG	Chromium	A-4	26	16.2	Within MSA Background
INORG	Cobalt	A-4	12	8.9	Within MSA Background
INORG	Copper	A-4	23	19.6	Within MSA Background
INORG	Iron	A-4	24000	15,900	Within MSA Background
INORG	Magnesium	A-4	32000	4,820	Within MSA Background
INORG	Nickel	A-4	36	18.0	Within MSA Background
INORG	Potassium	A-4	3400	1,268	Within MSA Background
INORG	Selenium	A-4	1.3	0.48	Within MSA Background
INORG	Sodium	A-4	190	130	Within MSA Background
INORG	Vanadium	A-4	26	25.2	Within MSA Background
INORG	Aluminum	A-5	15000	9,500	Within MSA Background
INORG	Beryllium	A-5	1.0	0.59	Within MSA Background
INORG	Calcium	A-5	63000	9,300	Within MSA Background
INORG	Chromium	A-5	30	16.2	Within MSA Background
INORG	Cobalt	A-5	12	8.9	Within MSA Background
INORG	Copper	A-5	29	19.6	Within MSA Background
INORG	Iron	A-5	33000	15,900	Within MSA Background
INORG	Magnesium	A-5	31000	4,820	Within MSA Background
INORG	Nickel	A-5	38	18.0	Within MSA Background
INORG	Potassium	A-5	4000	1,268	Within MSA Background
INORG	Selenium	A-5	1.1	0.48	Within MSA Background
INORG	Sodium	A-5	210	130	Within MSA Background
INORG	Vanadium	A-5	31	25.2	Within MSA Background
INORG	Aluminum	A-6	16000	9,500	Within MSA Background
INORG	Beryllium	A-6	0.97	0.59	Within MSA Background
INORG	Calcium	A-6	74000	9,300	Within MSA Background
INORG	Chromium	A-6	32	16.2	Within MSA Background
INORG	Cobalt	A-6	15	8.9	Within MSA Background
INORG	Copper	A-6	29	19.6	Within MSA Background
INORG	Iron	A-6	27000	15,900	Within MSA Background
INORG	Magnesium	A-6	37000	4,820	Within MSA Background
INORG	Nickel	A-6	41	18.0	Within MSA Background
INORG	Potassium	A-6	4100	1,268	Within MSA Background
INORG	Selenium	A-6	1.4	0.48	Within MSA Background
INORG	Sodium	A-6	220	130	Within MSA Background
INORG	Vanadium	A-6	33	25.2	Within MSA Background
INORG	Aluminum	A-7	17000	9,500	Within MSA Background
INORG	Beryllium	A-7	1.1	0.59	Within MSA Background
INORG	Calcium	A-7	67000	9,300	Within MSA Background
INORG	Chromium	A-7	35	16.2	Within MSA Background
INORG	Cobalt	A-7	16	8.9	Within MSA Background
INORG	Copper	A-7	32	19.6	Within MSA Background
INORG	Iron	A-7	34000	15,900	Within MSA Background
INORG	Magnesium	A-7	33000	4,820	Within MSA Background
INORG	Nickel	A-7	47	18.0	Within MSA Background
INORG	Potassium	A-7	4100	1,268	Within MSA Background
INORG	Selenium	A-7	1.3	0.48	Within MSA Background
INORG	Sodium	A-7	230	130	Within MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Vanadium	A-7	34	25.2	Within MSA Background
INORG	Aluminum	A-8	14000	9,500	Within MSA Background
INORG	Beryllium	A-8	0.83	0.59	Within MSA Background
INORG	Calcium	A-8	60000	9,300	Within MSA Background
INORG	Chromium	A-8	28	16.2	Within MSA Background
INORG	Cobalt	A-8	18	8.9	Within MSA Background
INORG	Copper	A-8	29	19.6	Within MSA Background
INORG	Iron	A-8	24000	15,900	Within MSA Background
INORG	Magnesium	A-8	31000	4,820	Within MSA Background
INORG	Nickel	A-8	46	18.0	Within MSA Background
INORG	Potassium	A-8	3700	1,268	Within MSA Background
INORG	Selenium	A-8	1.4	0.48	Within MSA Background
INORG	Sodium	A-8	190	130	Within MSA Background
INORG	Vanadium	A-8	28	25.2	Within MSA Background
INORG	Aluminum	A-9	16000	9,500	Within MSA Background
INORG	Beryllium	A-9	0.97	0.59	Within MSA Background
INORG	Calcium	A-9	76000	9,300	Within MSA Background
INORG	Chromium	A-9	30	16.2	Within MSA Background
INORG	Cobalt	A-9	16	8.9	Within MSA Background
INORG	Copper	A-9	31	19.6	Within MSA Background
INORG	Iron	A-9	27000	15,900	Within MSA Background
INORG	Magnesium	A-9	38000	4,820	Within MSA Background
INORG	Nickel	A-9	42	18.0	Within MSA Background
INORG	Potassium	A-9	4100	1,268	Within MSA Background
INORG	Selenium	A-9	1.3	0.48	Within MSA Background
INORG	Sodium	A-9	230	130	Within MSA Background
INORG	Vanadium	A-9	33	25.2	Within MSA Background
INORG	Aluminum	A-10	13000	9,500	Within MSA Background
INORG	Beryllium	A-10	0.81	0.59	Within MSA Background
INORG	Calcium	A-10	61000	9,300	Within MSA Background
INORG	Chromium	A-10	26	16.2	Within MSA Background
INORG	Cobalt	A-10	10	8.9	Within MSA Background
INORG	Copper	A-10	25	19.6	Within MSA Background
INORG	Iron	A-10	24000	15,900	Within MSA Background
INORG	Magnesium	A-10	31000	4,820	Within MSA Background
INORG	Nickel	A-10	31	18.0	Within MSA Background
INORG	Potassium	A-10	3300	1,268	Within MSA Background
INORG	Selenium	A-10	1.4	0.48	Within MSA Background
INORG	Sodium	A-10	190	130	Within MSA Background
INORG	Vanadium	A-10	29	25.2	Within MSA Background
INORG	Aluminum	A-11	13000	9,500	Within MSA Background
INORG	Beryllium	A-11	0.81	0.59	Within MSA Background
INORG	Calcium	A-11	64000	9,300	Within MSA Background
INORG	Chromium	A-11	26	16.2	Within MSA Background
INORG	Cobalt	A-11	14	8.9	Within MSA Background
INORG	Copper	A-11	28	19.6	Within MSA Background
INORG	Iron	A-11	26000	15,900	Within MSA Background
INORG	Magnesium	A-11	32000	4,820	Within MSA Background
INORG	Nickel	A-11	39	18.0	Within MSA Background
INORG	Potassium	A-11	3100	1,268	Within MSA Background
INORG	Selenium	A-11	1.3	0.48	Within MSA Background
INORG	Sodium	A-11	190	130	Within MSA Background
INORG	Vanadium	A-11	28	25.2	Within MSA Background
INORG	Aluminum	A-12	15000	9,500	Within MSA Background
INORG	Beryllium	A-12	0.91	0.59	Within MSA Background
INORG	Calcium	A-12	81000	9,300	Within MSA Background
INORG	Chromium	A-12	30	16.2	Within MSA Background
INORG	Cobalt	A-12	15	8.9	Within MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Copper	A-12	29	19.6	Within MSA Background
INORG	Iron	A-12	30000	15,900	Within MSA Background
INORG	Magnesium	A-12	39000	4,820	Within MSA Background
INORG	Nickel	A-12	41	18.0	Within MSA Background
INORG	Potassium	A-12	3600	1,268	Within MSA Background
INORG	Selenium	A-12	1.4	0.48	Within MSA Background
INORG	Sodium	A-12	210	130	Within MSA Background
INORG	Vanadium	A-12	31	25.2	Within MSA Background
INORG	Aluminum	A-13	14000	9,500	Within MSA Background
INORG	Barium	A-13	120	110	Within MSA Background
INORG	Beryllium	A-13	0.94	0.59	Within MSA Background
INORG	Calcium	A-13	76000	9,300	Within MSA Background
INORG	Chromium	A-13	29	16.2	Within MSA Background
INORG	Cobalt	A-13	16	8.9	Within MSA Background
INORG	Copper	A-13	39	19.6	Within MSA Background
INORG	Iron	A-13	33000	15,900	Within MSA Background
INORG	Magnesium	A-13	40000	4,820	Within MSA Background
INORG	Nickel	A-13	45	18.0	Within MSA Background
INORG	Potassium	A-13	3800	1,268	Within MSA Background
INORG	Selenium	A-13	1.6	0.48	Within MSA Background
INORG	Sodium	A-13	200	130	Within MSA Background
INORG	Vanadium	A-13	31	25.2	Within MSA Background
INORG	Aluminum	A-14	12000	9,500	Within MSA Background
INORG	Beryllium	A-14	0.70	0.59	Within MSA Background
INORG	Calcium	A-14	61000	9,300	Within MSA Background
INORG	Chromium	A-14	23	16.2	Within MSA Background
INORG	Cobalt	A-14	9.6	8.9	Within MSA Background
INORG	Copper	A-14	27	19.6	Within MSA Background
INORG	Iron	A-14	27000	15,900	Within MSA Background
INORG	Magnesium	A-14	31000	4,820	Within MSA Background
INORG	Nickel	A-14	30	18.0	Within MSA Background
INORG	Potassium	A-14	2800	1,268	Within MSA Background
INORG	Selenium	A-14	1.7	0.48	Within MSA Background
INORG	Sodium	A-14	170	130	Within MSA Background
INORG	Vanadium	A-14	29	25.2	Within MSA Background
INORG	Aluminum	A-15	14000	9,500	Within MSA Background
INORG	Beryllium	A-15	0.79	0.59	Within MSA Background
INORG	Calcium	A-15	56000	9,300	Within MSA Background
INORG	Chromium	A-15	27	16.2	Within MSA Background
INORG	Cobalt	A-15	16	8.9	Within MSA Background
INORG	Copper	A-15	21	19.6	Within MSA Background
INORG	Iron	A-15	23000	15,900	Within MSA Background
INORG	Magnesium	A-15	26000	4,820	Within MSA Background
INORG	Nickel	A-15	41	18.0	Within MSA Background
INORG	Potassium	A-15	3400	1,268	Within MSA Background
INORG	Selenium	A-15	1.5	0.48	Within MSA Background
INORG	Sodium	A-15	170	130	Within MSA Background
INORG	Vanadium	A-15	27	25.2	Within MSA Background
INORG	Aluminum	A-16	12000	9,500	Within MSA Background
INORG	Beryllium	A-16	0.73	0.59	Within MSA Background
INORG	Calcium	A-16	71000	9,300	Within MSA Background
INORG	Chromium	A-16	24	16.2	Within MSA Background
INORG	Cobalt	A-16	9.9	8.9	Within MSA Background
INORG	Copper	A-16	30	19.6	Within MSA Background
INORG	Cyanide	A-16	0.59	0.51	Within MSA Background
INORG	Iron	A-16	26000	15,900	Within MSA Background
INORG	Magnesium	A-16	39000	4,820	Within MSA Background
INORG	Nickel	A-16	31	18.0	Within MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Potassium	A-16	2700	1,268	Within MSA Background
INORG	Selenium	A-16	1.4	0.48	Within MSA Background
INORG	Sodium	A-16	180	130	Within MSA Background
INORG	Vanadium	A-16	29	25.2	Within MSA Background
INORG	Aluminum	A-17	13000	9,500	Within MSA Background
INORG	Beryllium	A-17	0.82	0.59	Within MSA Background
INORG	Calcium	A-17	65000	9,300	Within MSA Background
INORG	Chromium	A-17	26	16.2	Within MSA Background
INORG	Cobalt	A-17	12	8.9	Within MSA Background
INORG	Copper	A-17	30	19.6	Within MSA Background
INORG	Cyanide	A-17	1.1	0.51	Within MSA Background
INORG	Iron	A-17	27000	15,900	Within MSA Background
INORG	Magnesium	A-17	34000	4,820	Within MSA Background
INORG	Nickel	A-17	36	18.0	Within MSA Background
INORG	Potassium	A-17	3100	1,268	Within MSA Background
INORG	Selenium	A-17	1.4	0.48	Within MSA Background
INORG	Sodium	A-17	180	130	Within MSA Background
INORG	Vanadium	A-17	28	25.2	Within MSA Background
INORG	Aluminum	A-1	13000	9,200	Outside MSA Background
INORG	Beryllium	A-1	0.80	0.56	Outside MSA Background
INORG	Calcium	A-1	69000	5,525	Outside MSA Background
INORG	Chromium	A-1	24	13.0	Outside MSA Background
INORG	Cobalt	A-1	11	8.9	Outside MSA Background
INORG	Copper	A-1	26	12.0	Outside MSA Background
INORG	Iron	A-1	23000	15,000	Outside MSA Background
INORG	Magnesium	A-1	34000	2,700	Outside MSA Background
INORG	Nickel	A-1	31	13.0	Outside MSA Background
INORG	Potassium	A-1	2900	1,100	Outside MSA Background
INORG	Sodium	A-1	810	130.0	Outside MSA Background
INORG	Vanadium	A-1	29	25.0	Outside MSA Background
INORG	Aluminum	A-2	14000	9,200	Outside MSA Background
INORG	Arsenic	A-2	13	11.3	Outside MSA Background
INORG	Beryllium	A-2	0.91	0.56	Outside MSA Background
INORG	Calcium	A-2	64000	5,525	Outside MSA Background
INORG	Chromium	A-2	28	13.0	Outside MSA Background
INORG	Cobalt	A-2	20	8.9	Outside MSA Background
INORG	Copper	A-2	29	12.0	Outside MSA Background
INORG	Iron	A-2	25000	15,000	Outside MSA Background
INORG	Magnesium	A-2	33000	2,700	Outside MSA Background
INORG	Nickel	A-2	53	13.0	Outside MSA Background
INORG	Potassium	A-2	3700	1,100	Outside MSA Background
INORG	Sodium	A-2	210	130.0	Outside MSA Background
INORG	Vanadium	A-2	30	25.0	Outside MSA Background
INORG	Aluminum	A-3	15000	9,200	Outside MSA Background
INORG	Beryllium	A-3	1.0	0.56	Outside MSA Background
INORG	Calcium	A-3	68000	5,525	Outside MSA Background
INORG	Chromium	A-3	30	13.0	Outside MSA Background
INORG	Cobalt	A-3	14	8.9	Outside MSA Background
INORG	Copper	A-3	31	12.0	Outside MSA Background
INORG	Iron	A-3	30000	15,000	Outside MSA Background
INORG	Magnesium	A-3	35000	2,700	Outside MSA Background
INORG	Nickel	A-3	42	13.0	Outside MSA Background
INORG	Potassium	A-3	3600	1,100	Outside MSA Background
INORG	Sodium	A-3	210	130.0	Outside MSA Background
INORG	Vanadium	A-3	30	25.0	Outside MSA Background
INORG	Aluminum	A-4	13000	9,200	Outside MSA Background
INORG	Beryllium	A-4	0.84	0.56	Outside MSA Background
INORG	Calcium	A-4	66000	5,525	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Chromium	A-4	26	13.0	Outside MSA Background
INORG	Cobalt	A-4	12	8.9	Outside MSA Background
INORG	Copper	A-4	23	12.0	Outside MSA Background
INORG	Iron	A-4	24000	15,000	Outside MSA Background
INORG	Magnesium	A-4	32000	2,700	Outside MSA Background
INORG	Nickel	A-4	36	13.0	Outside MSA Background
INORG	Potassium	A-4	3400	1,100	Outside MSA Background
INORG	Selenium	A-4	1.3	0.37	Outside MSA Background
INORG	Sodium	A-4	190	130.0	Outside MSA Background
INORG	Vanadium	A-4	26	25.0	Outside MSA Background
INORG	Aluminum	A-5	15000	9,200	Outside MSA Background
INORG	Beryllium	A-5	1.0	0.56	Outside MSA Background
INORG	Calcium	A-5	63000	5,525	Outside MSA Background
INORG	Chromium	A-5	30	13.0	Outside MSA Background
INORG	Cobalt	A-5	12	8.9	Outside MSA Background
INORG	Copper	A-5	29	12.0	Outside MSA Background
INORG	Iron	A-5	33000	15,000	Outside MSA Background
INORG	Magnesium	A-5	31000	2,700	Outside MSA Background
INORG	Nickel	A-5	38	13.0	Outside MSA Background
INORG	Potassium	A-5	4000	1,100	Outside MSA Background
INORG	Selenium	A-5	1.1	0.37	Outside MSA Background
INORG	Sodium	A-5	210	130.0	Outside MSA Background
INORG	Vanadium	A-5	31	25.0	Outside MSA Background
INORG	Aluminum	A-6	16000	9,200	Outside MSA Background
INORG	Beryllium	A-6	0.97	0.56	Outside MSA Background
INORG	Calcium	A-6	74000	5,525	Outside MSA Background
INORG	Chromium	A-6	32	13.0	Outside MSA Background
INORG	Cobalt	A-6	15	8.9	Outside MSA Background
INORG	Copper	A-6	29	12.0	Outside MSA Background
INORG	Iron	A-6	27000	15,000	Outside MSA Background
INORG	Magnesium	A-6	37000	2,700	Outside MSA Background
INORG	Nickel	A-6	41	13.0	Outside MSA Background
INORG	Potassium	A-6	4100	1,100	Outside MSA Background
INORG	Selenium	A-6	1.4	0.37	Outside MSA Background
INORG	Sodium	A-6	220	130.0	Outside MSA Background
INORG	Vanadium	A-6	33	25.0	Outside MSA Background
INORG	Aluminum	A-7	17000	9,200	Outside MSA Background
INORG	Beryllium	A-7	1.1	0.56	Outside MSA Background
INORG	Calcium	A-7	67000	5,525	Outside MSA Background
INORG	Chromium	A-7	35	13.0	Outside MSA Background
INORG	Cobalt	A-7	16	8.9	Outside MSA Background
INORG	Copper	A-7	32	12.0	Outside MSA Background
INORG	Iron	A-7	34000	15,000	Outside MSA Background
INORG	Magnesium	A-7	33000	2,700	Outside MSA Background
INORG	Nickel	A-7	47	13.0	Outside MSA Background
INORG	Potassium	A-7	4100	1,100	Outside MSA Background
INORG	Selenium	A-7	1.3	0.37	Outside MSA Background
INORG	Sodium	A-7	230	130.0	Outside MSA Background
INORG	Vanadium	A-7	34	25.0	Outside MSA Background
INORG	Zinc	A-7	62	60.2	Outside MSA Background
INORG	Aluminum	A-8	14000	9,200	Outside MSA Background
INORG	Beryllium	A-8	0.83	0.56	Outside MSA Background
INORG	Calcium	A-8	60000	5,525	Outside MSA Background
INORG	Chromium	A-8	28	13.0	Outside MSA Background
INORG	Cobalt	A-8	18	8.9	Outside MSA Background
INORG	Copper	A-8	29	12.0	Outside MSA Background
INORG	Iron	A-8	24000	15,000	Outside MSA Background
INORG	Magnesium	A-8	31000	2,700	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Nickel	A-8	46	13.0	Outside MSA Background
INORG	Potassium	A-8	3700	1,100	Outside MSA Background
INORG	Selenium	A-8	1.4	0.37	Outside MSA Background
INORG	Sodium	A-8	190	130.0	Outside MSA Background
INORG	Vanadium	A-8	28	25.0	Outside MSA Background
INORG	Aluminum	A-9	16000	9,200	Outside MSA Background
INORG	Beryllium	A-9	0.97	0.56	Outside MSA Background
INORG	Calcium	A-9	76000	5,525	Outside MSA Background
INORG	Chromium	A-9	30	13.0	Outside MSA Background
INORG	Cobalt	A-9	16	8.9	Outside MSA Background
INORG	Copper	A-9	31	12.0	Outside MSA Background
INORG	Iron	A-9	27000	15,000	Outside MSA Background
INORG	Magnesium	A-9	38000	2,700	Outside MSA Background
INORG	Nickel	A-9	42	13.0	Outside MSA Background
INORG	Potassium	A-9	4100	1,100	Outside MSA Background
INORG	Selenium	A-9	1.3	0.37	Outside MSA Background
INORG	Sodium	A-9	230	130.0	Outside MSA Background
INORG	Vanadium	A-9	33	25.0	Outside MSA Background
INORG	Aluminum	A-10	13000	9,200	Outside MSA Background
INORG	Beryllium	A-10	0.81	0.56	Outside MSA Background
INORG	Calcium	A-10	61000	5,525	Outside MSA Background
INORG	Chromium	A-10	26	13.0	Outside MSA Background
INORG	Cobalt	A-10	10	8.9	Outside MSA Background
INORG	Copper	A-10	25	12.0	Outside MSA Background
INORG	Iron	A-10	24000	15,000	Outside MSA Background
INORG	Magnesium	A-10	31000	2,700	Outside MSA Background
INORG	Nickel	A-10	31	13.0	Outside MSA Background
INORG	Potassium	A-10	3300	1,100	Outside MSA Background
INORG	Selenium	A-10	1.4	0.37	Outside MSA Background
INORG	Sodium	A-10	190	130.0	Outside MSA Background
INORG	Vanadium	A-10	29	25.0	Outside MSA Background
INORG	Aluminum	A-11	13000	9,200	Outside MSA Background
INORG	Beryllium	A-11	0.81	0.56	Outside MSA Background
INORG	Calcium	A-11	64000	5,525	Outside MSA Background
INORG	Chromium	A-11	26	13.0	Outside MSA Background
INORG	Cobalt	A-11	14	8.9	Outside MSA Background
INORG	Copper	A-11	28	12.0	Outside MSA Background
INORG	Iron	A-11	26000	15,000	Outside MSA Background
INORG	Magnesium	A-11	32000	2,700	Outside MSA Background
INORG	Nickel	A-11	39	13.0	Outside MSA Background
INORG	Potassium	A-11	3100	1,100	Outside MSA Background
INORG	Selenium	A-11	1.3	0.37	Outside MSA Background
INORG	Sodium	A-11	190	130.0	Outside MSA Background
INORG	Vanadium	A-11	28	25.0	Outside MSA Background
INORG	Aluminum	A-12	15000	9,200	Outside MSA Background
INORG	Beryllium	A-12	0.91	0.56	Outside MSA Background
INORG	Calcium	A-12	81000	5,525	Outside MSA Background
INORG	Chromium	A-12	30	13.0	Outside MSA Background
INORG	Cobalt	A-12	15	8.9	Outside MSA Background
INORG	Copper	A-12	29	12.0	Outside MSA Background
INORG	Iron	A-12	30000	15,000	Outside MSA Background
INORG	Magnesium	A-12	39000	2,700	Outside MSA Background
INORG	Nickel	A-12	41	13.0	Outside MSA Background
INORG	Potassium	A-12	3600	1,100	Outside MSA Background
INORG	Selenium	A-12	1.4	0.37	Outside MSA Background
INORG	Sodium	A-12	210	130.0	Outside MSA Background
INORG	Vanadium	A-12	31	25.0	Outside MSA Background
INORG	Aluminum	A-13	14000	9,200	Outside MSA Background

\* - result and RO units are mg/L



# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Arsenic	A-13	12	11.3	Outside MSA Background
INORG	Beryllium	A-13	0.94	0.56	Outside MSA Background
INORG	Calcium	A-13	76000	5,525	Outside MSA Background
INORG	Chromium	A-13	29	13.0	Outside MSA Background
INORG	Cobalt	A-13	16	8.9	Outside MSA Background
INORG	Copper	A-13	39	12.0	Outside MSA Background
INORG	Iron	A-13	33000	15,000	Outside MSA Background
INORG	Magnesium	A-13	40000	2,700	Outside MSA Background
INORG	Nickel	A-13	45	13.0	Outside MSA Background
INORG	Potassium	A-13	3800	1,100	Outside MSA Background
INORG	Selenium	A-13	1.6	0.37	Outside MSA Background
INORG	Sodium	A-13	200	130.0	Outside MSA Background
INORG	Vanadium	A-13	31	25.0	Outside MSA Background
INORG	Zinc	A-13	63	60.2	Outside MSA Background
INORG	Aluminum	A-14	12000	9,200	Outside MSA Background
INORG	Beryllium	A-14	0.70	0.56	Outside MSA Background
INORG	Calcium	A-14	61000	5,525	Outside MSA Background
INORG	Chromium	A-14	23	13.0	Outside MSA Background
INORG	Cobalt	A-14	9.6	8.9	Outside MSA Background
INORG	Copper	A-14	27	12.0	Outside MSA Background
INORG	Iron	A-14	27000	15,000	Outside MSA Background
INORG	Magnesium	A-14	31000	2,700	Outside MSA Background
INORG	Nickel	A-14	30	13.0	Outside MSA Background
INORG	Potassium	A-14	2800	1,100	Outside MSA Background
INORG	Selenium	A-14	1.7	0.37	Outside MSA Background
INORG	Sodium	A-14	170	130.0	Outside MSA Background
INORG	Vanadium	A-14	29	25.0	Outside MSA Background
INORG	Aluminum	A-15	14000	9,200	Outside MSA Background
INORG	Beryllium	A-15	0.79	0.56	Outside MSA Background
INORG	Calcium	A-15	56000	5,525	Outside MSA Background
INORG	Chromium	A-15	27	13.0	Outside MSA Background
INORG	Cobalt	A-15	16	8.9	Outside MSA Background
INORG	Copper	A-15	21	12.0	Outside MSA Background
INORG	Iron	A-15	23000	15,000	Outside MSA Background
INORG	Magnesium	A-15	26000	2,700	Outside MSA Background
INORG	Nickel	A-15	41	13.0	Outside MSA Background
INORG	Potassium	A-15	3400	1,100	Outside MSA Background
INORG	Selenium	A-15	1.5	0.37	Outside MSA Background
INORG	Sodium	A-15	170	130.0	Outside MSA Background
INORG	Vanadium	A-15	27	25.0	Outside MSA Background
INORG	Aluminum	A-16	12000	9,200	Outside MSA Background
INORG	Beryllium	A-16	0.73	0.56	Outside MSA Background
INORG	Calcium	A-16	71000	5,525	Outside MSA Background
INORG	Chromium	A-16	24	13.0	Outside MSA Background
INORG	Cobalt	A-16	9.9	8.9	Outside MSA Background
INORG	Copper	A-16	30	12.0	Outside MSA Background
INORG	Cyanide	A-16	0.59	0.50	Outside MSA Background
INORG	Iron	A-16	26000	15,000	Outside MSA Background
INORG	Magnesium	A-16	39000	2,700	Outside MSA Background
INORG	Nickel	A-16	31	13.0	Outside MSA Background
INORG	Potassium	A-16	2700	1,100	Outside MSA Background
INORG	Selenium	A-16	1.4	0.37	Outside MSA Background
INORG	Sodium	A-16	180	130.0	Outside MSA Background
INORG	Vanadium	A-16	29	25.0	Outside MSA Background
INORG	Aluminum	A-17	13000	9,200	Outside MSA Background
INORG	Beryllium	A-17	0.82	0.56	Outside MSA Background
INORG	Calcium	A-17	65000	5,525	Outside MSA Background
INORG	Chromium	A-17	26	13.0	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin-EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Cobalt	A-17	12	8.9	Outside MSA Background
INORG	Copper	A-17	30	12.0	Outside MSA Background
INORG	Cyanide	A-17	1.1	0.50	Outside MSA Background
INORG	Iron	A-17	27000	15,000	Outside MSA Background
INORG	Magnesium	A-17	34000	2,700	Outside MSA Background
INORG	Nickel	A-17	36	13.0	Outside MSA Background
INORG	Potassium	A-17	3100	1,100	Outside MSA Background
INORG	Selenium	A-17	1.4	0.37	Outside MSA Background
INORG	Sodium	A-17	180	130.0	Outside MSA Background
INORG	Vanadium	A-17	28	25.0	Outside MSA Background

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)**

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-002 19010622-003 19010622-004 19010622-005  
Client Sample ID : A-18 A-19 A-20 A-21 A-22  
Date Collected : 01/23/2019 06:00 01/23/2019 06:15 01/23/2019 06:30 01/23/2019 06:45 01/23/2019 07:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values						
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II					
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	< 0.070	0.097	0.17	0.12	0.10
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	< 0.0093	< 0.013	< 0.010	< 0.012	< 0.012
78-93-3	2-Butanone							< 0.070	< 0.097	< 0.078	< 0.087	< 0.089
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	< 0.046	< 0.064	< 0.052	< 0.058	< 0.059
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
75-00-3	Chloroethane							< 0.0093	< 0.013	< 0.010	< 0.012	< 0.012
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
74-87-3	Chloromethane							< 0.0093	< 0.013	< 0.010	< 0.012	< 0.012
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0019	< 0.0026	< 0.0021	< 0.0023	< 0.0024
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0019	< 0.0026	< 0.0021	< 0.0023	< 0.0024
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
591-78-6	2-Hexanone							< 0.019	< 0.026	< 0.021	< 0.023	< 0.024
108-10-1	4-Methyl-2-pentanone							< 0.019	< 0.026	< 0.021	< 0.023	< 0.024
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	< 0.0093	< 0.013	< 0.010	< 0.012	< 0.012
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
79-34-5	1,1,2,2-Tetrachloroethane							< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
108-88-3	Toluene	16,000	650	410,000	42	12	29	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	< 0.0046	< 0.0064	< 0.0052	< 0.0058	< 0.0059
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	< 0.014	< 0.019	< 0.016	< 0.017	< 0.018

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)**

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-006 19010622-007 19010622-008 19010622-009 19010622-010  
Client Sample ID : A-23 A-24 A-25 A-26 A-27  
Date Collected : 01/23/2019 07:15 01/23/2019 07:30 01/23/2019 07:45 01/23/2019 08:00 01/23/2019 08:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values						
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II					
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	0.18	0.13	< 0.076	< 0.097	< 0.082
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	< 0.011	< 0.011	< 0.010	< 0.013	< 0.011
78-93-3	2-Butanone							< 0.085	< 0.081	< 0.076	< 0.097	< 0.082
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	< 0.057	< 0.054	< 0.051	< 0.065	< 0.054
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
75-00-3	Chloroethane							< 0.011	< 0.011	< 0.010	< 0.013	< 0.011
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
74-87-3	Chloromethane							< 0.011	< 0.011	< 0.010	< 0.013	< 0.011
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0023	< 0.0021	< 0.0020	< 0.0026	< 0.0022
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0023	< 0.0021	< 0.0020	< 0.0026	< 0.0022
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
591-78-6	2-Hexanone							< 0.023	< 0.021	< 0.020	< 0.026	< 0.022
108-10-1	4-Methyl-2-pentanone							< 0.023	< 0.021	< 0.020	< 0.026	< 0.022
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	< 0.011	< 0.011	< 0.010	< 0.013	< 0.011
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
79-34-5	1,1,2,2-Tetrachloroethane							< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
108-88-3	Toluene	16,000	650	410,000	42	12	29	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	< 0.0057	< 0.0054	< 0.0051	< 0.0065	< 0.0054
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	< 0.017	< 0.016	< 0.015	< 0.019	< 0.016

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)**

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-011 19010622-012 19010622-013 19010622-014 19010622-015  
Client Sample ID : A-28 A-29 A-30 A-31 A-32  
Date Collected : 01/23/2019 08:30 01/23/2019 08:45 01/23/2019 09:00 01/23/2019 09:15 01/23/2019 09:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values							
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II						
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	< 0.071	< 0.075	< 0.088	< 0.096	< 0.078	
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	< 0.0094	< 0.010	< 0.012	< 0.013	< 0.010	
78-93-3	2-Butanone							< 0.071	< 0.075	< 0.088	< 0.096	< 0.078	
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	< 0.047	< 0.050	< 0.059	< 0.064	< 0.052	
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
75-00-3	Chloroethane							< 0.0094	< 0.010	< 0.012	< 0.013	< 0.010	
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
74-87-3	Chloromethane							< 0.0094	< 0.010	< 0.012	< 0.013	< 0.010	
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0019	< 0.0020	< 0.0024	< 0.0026	< 0.0021	
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0019	< 0.0020	< 0.0024	< 0.0026	< 0.0021	
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
591-78-6	2-Hexanone							< 0.019	< 0.020	< 0.024	< 0.026	< 0.021	
108-10-1	4-Methyl-2-pentanone							< 0.019	< 0.020	< 0.024	< 0.026	< 0.021	
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	< 0.0094	< 0.010	< 0.012	< 0.013	< 0.010	
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
79-34-5	1,1,2,2-Tetrachloroethane							< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
108-88-3	Toluene	16,000	650	410,000	42	12	29	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	< 0.0047	< 0.0050	< 0.0059	< 0.0064	< 0.0052	
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	< 0.014	< 0.015	< 0.018	< 0.019	< 0.016	

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)**

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-016 19010622-017  
Client Sample ID : A-33 A-34  
Date Collected : 01/23/2019 09:45 01/23/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	< 0.069	< 0.071
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	< 0.0046	< 0.0047
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	< 0.0046	< 0.0047
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	< 0.0046	< 0.0047
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	< 0.0092	< 0.0095
78-93-3	2-Butanone							< 0.069	< 0.071
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	< 0.046	< 0.047
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	< 0.0046	< 0.0047
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	< 0.0046	< 0.0047
75-00-3	Chloroethane							< 0.0092	< 0.0095
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	< 0.0046	< 0.0047
74-87-3	Chloromethane							< 0.0092	< 0.0095
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	< 0.0046	< 0.0047
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	< 0.0046	< 0.0047
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	< 0.0046	< 0.0047
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	< 0.0046	< 0.0047
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	< 0.0046	< 0.0047
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	< 0.0046	< 0.0047
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	< 0.0046	< 0.0047
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0018	< 0.0019
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	< 0.0018	< 0.0019
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	< 0.0046	< 0.0047
591-78-6	2-Hexanone							< 0.018	< 0.019
108-10-1	4-Methyl-2-pentanone							< 0.018	< 0.019
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	< 0.0092	< 0.0095
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	< 0.0046	< 0.0047
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	< 0.0046	< 0.0047
79-34-5	1,1,2,2-Tetrachloroethane							< 0.0046	< 0.0047
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	< 0.0046	< 0.0047
108-88-3	Toluene	16,000	650	410,000	42	12	29	< 0.0046	< 0.0047
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	< 0.0046	< 0.0047
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	< 0.0046	< 0.0047
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	< 0.0046	< 0.0047
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	< 0.0046	< 0.0047
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	< 0.014	< 0.014

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-002 19010622-003 19010622-004

Client Sample ID : A-18 A-19 A-20 A-21

Date Collected : 01/23/2019 06:00 01/23/2019 06:15 01/23/2019 06:30 01/23/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.039	< 0.043	< 0.043	< 0.041
208-96-8	Acenaphthylene							< 0.039	< 0.043	< 0.043	< 0.041
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.039	< 0.043	< 0.043	< 0.041
56-55-3	Benzo(a)anthracene	0.9	---	170	---	2	8	< 0.039	< 0.043	< 0.043	< 0.041
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.039	< 0.043	< 0.043	< 0.041
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.039	< 0.043	< 0.043	< 0.041
191-24-2	Benzo(g,h,i)perylene							< 0.039	< 0.043	< 0.043	< 0.041
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.039	< 0.043	< 0.043	< 0.041
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.039	< 0.043	< 0.043	< 0.041
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.039	< 0.043	< 0.043	< 0.041
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.039	< 0.043	< 0.043	< 0.041
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.039	< 0.043	< 0.043	< 0.041
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.039	< 0.043	< 0.043	< 0.041
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	0.41	< 0.043	< 0.043	< 0.041
85-01-8	Phenanthrene							< 0.039	< 0.043	< 0.043	< 0.041
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.039	< 0.043	< 0.043	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-005 19010622-006 19010622-007 19010622-008  
Client Sample ID : A-22 A-23 A-24 A-25  
Date Collected : 01/23/2019 07:00 01/23/2019 07:15 01/23/2019 07:30 01/23/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.041	< 0.043	< 0.040	< 0.037
208-96-8	Acenaphthylene							< 0.041	< 0.043	< 0.040	< 0.037
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.041	< 0.043	< 0.040	< 0.037
56-55-3	Benzo(a)anthracene	0.9	---	170	---	2	8	< 0.041	< 0.043	< 0.040	< 0.037
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.041	< 0.043	< 0.040	< 0.037
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.041	< 0.043	< 0.040	< 0.037
191-24-2	Benzo(g,h,i)perylene							< 0.041	< 0.043	< 0.040	< 0.037
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.041	< 0.043	< 0.040	< 0.037
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.041	< 0.043	< 0.040	< 0.037
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.041	< 0.043	< 0.040	< 0.037
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.041	< 0.043	< 0.040	< 0.037
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.041	< 0.043	< 0.040	< 0.037
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.041	< 0.043	< 0.040	< 0.037
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	< 0.041	< 0.043	< 0.040	< 0.037
85-01-8	Phenanthrene							< 0.041	< 0.043	< 0.040	< 0.037
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.041	< 0.043	< 0.040	< 0.037

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-009 19010622-010 19010622-011 19010622-012  
Client Sample ID : A-26 A-27 A-28 A-29  
Date Collected : 01/23/2019 08:00 01/23/2019 08:15 01/23/2019 08:30 01/23/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.040	< 0.039	< 0.038	< 0.040
208-96-8	Acenaphthylene							< 0.040	< 0.039	< 0.038	< 0.040
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.040	< 0.039	< 0.038	< 0.040
56-55-3	Benzo(a)anthracene	0.9	---	170	---	2	8	< 0.040	< 0.039	< 0.038	< 0.040
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.040	< 0.039	< 0.038	< 0.040
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.040	< 0.039	< 0.038	< 0.040
191-24-2	Benzo(g,h,i)perylene							< 0.040	< 0.039	< 0.038	< 0.040
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.040	< 0.039	< 0.038	< 0.040
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.040	< 0.039	< 0.038	< 0.040
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.040	< 0.039	< 0.038	< 0.040
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.040	< 0.039	< 0.038	< 0.040
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.040	< 0.039	< 0.038	< 0.040
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.040	< 0.039	< 0.038	< 0.040
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	< 0.040	< 0.039	< 0.038	< 0.040
85-01-8	Phenanthrene							< 0.040	< 0.039	< 0.038	< 0.040
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.040	< 0.039	< 0.038	< 0.040

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-013 19010622-014 19010622-015 19010622-016  
Client Sample ID : A-30 A-31 A-32 A-33  
Date Collected : 01/23/2019 09:00 01/23/2019 09:15 01/23/2019 09:30 01/23/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.041	< 0.040	< 0.040	< 0.040
208-96-8	Acenaphthylene							< 0.041	< 0.040	< 0.040	< 0.040
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.041	< 0.040	< 0.040	< 0.040
56-55-3	Benzo(a)anthracene	0.9	---	170	---	2	8	< 0.041	< 0.040	< 0.040	< 0.040
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.041	< 0.040	< 0.040	< 0.040
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.041	< 0.040	< 0.040	< 0.040
191-24-2	Benzo(g,h,i)perylene							< 0.041	< 0.040	< 0.040	< 0.040
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.041	< 0.040	< 0.040	< 0.040
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.041	< 0.040	< 0.040	< 0.040
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.041	< 0.040	< 0.040	< 0.040
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.041	< 0.040	< 0.040	< 0.040
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.041	< 0.040	< 0.040	< 0.040
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.041	< 0.040	< 0.040	< 0.040
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	< 0.041	< 0.040	< 0.040	< 0.040
85-01-8	Phenanthrene							< 0.041	< 0.040	< 0.040	< 0.040
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.041	< 0.040	< 0.040	< 0.040

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-017  
Client Sample ID : A-34  
Date Collected : 01/23/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	< 0.040
208-96-8	Acenaphthylene							< 0.040
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	< 0.040
56-55-3	Benzo(a)anthracene	0.9	---	170	---	2	8	< 0.040
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	< 0.040
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	< 0.040
191-24-2	Benzo(g,h,i)perylene							< 0.040
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	< 0.040
218-01-9	Chrysene	88	---	17,000	---	160	800	< 0.040
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	< 0.040
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	< 0.040
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	< 0.040
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	< 0.040
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	< 0.040
85-01-8	Phenanthrene							< 0.040
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	< 0.040

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-002

Client Sample ID : A-18 A-19

Date Collected : 01/23/2019 06:00 01/23/2019 06:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.20	< 0.22
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.20	< 0.22
541-73-1	1,3-Dichlorobenzene							< 0.20	< 0.22
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.20	< 0.22
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.20	< 0.22
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.20	< 0.22
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.20	< 0.22
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.20	< 0.22
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.20	< 0.22
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 0.99	< 1.1
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.039	< 0.043
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.039	< 0.043
91-58-7	2-Chloronaphthalene							< 0.20	< 0.22
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.20	< 0.22
91-57-6	2-Methylnaphthalene							0.29	< 0.22
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.20	< 0.22
88-74-4	2-Nitroaniline							< 0.20	< 0.22
88-75-5	2-Nitrophenol							< 0.20	< 0.22
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.20	< 0.22
99-09-2	3-Nitroaniline							< 0.20	< 0.22
534-52-1	4,6-Dinitro-2-methylphenol							< 0.39	< 0.43
101-55-3	4-Bromophenyl phenyl ether							< 0.20	< 0.22
59-50-7	4-Chloro-3-methylphenol							< 0.39	< 0.43
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.20	< 0.22
7005-72-3	4-Chlorophenyl phenyl ether							< 0.20	< 0.22
106-44-5	4-Methylphenol							< 0.20	< 0.22
100-01-6	4-Nitroaniline							< 0.20	< 0.22
100-02-7	4-Nitrophenol							< 0.39	< 0.43
62-53-3	Aniline							< 0.40	< 0.43
92-87-5	Benzidine							< 0.39	< 0.43
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 0.99	< 1.1
100-51-6	Benzyl alcohol							< 0.20	< 0.22
111-91-1	Bis(2-chloroethoxy)methane							< 0.20	< 0.22
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.20	< 0.22
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 0.99	< 1.1
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.20	< 0.22
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.20	< 0.22
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.20	< 0.22
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.20	< 0.22
132-64-9	Dibenzofuran							< 0.20	< 0.22
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.20	< 0.22
131-11-3	Dimethyl phthalate							< 0.20	< 0.22
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.20	< 0.22
87-68-3	Hexachlorobutadiene							< 0.20	< 0.22
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.20	< 0.22
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.20	< 0.22
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.20	< 0.22
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.039	< 0.043
62-75-9	N-Nitrosodimethylamine							< 0.20	< 0.22
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.20	< 0.22
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.039	< 0.043
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.080	< 0.086
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.20	< 0.22
110-86-1	Pyridine							< 0.80	< 0.86

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.  
 Project: Franklin - EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-003 19010622-004  
 Client Sample ID : A-20 A-21  
 Date Collected : 01/23/2019 06:30 01/23/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.22	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.22	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.22	< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.22	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.22	< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.22	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.22	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.22	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.22	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.1	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.043	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.043	< 0.041
91-58-7	2-Chloronaphthalene							< 0.22	< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.22	< 0.21
91-57-6	2-Methylnaphthalene							< 0.22	< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.22	< 0.21
88-74-4	2-Nitroaniline							< 0.22	< 0.21
88-75-5	2-Nitrophenol							< 0.22	< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.22	< 0.21
99-09-2	3-Nitroaniline							< 0.22	< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.43	< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.22	< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.43	< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.22	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.22	< 0.21
106-44-5	4-Methylphenol							< 0.22	< 0.21
100-01-6	4-Nitroaniline							< 0.22	< 0.21
100-02-7	4-Nitrophenol							< 0.43	< 0.41
62-53-3	Aniline							< 0.43	< 0.42
92-87-5	Benzidine							< 0.43	< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.1	< 1.0
100-51-6	Benzyl alcohol							< 0.22	< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.22	< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.22	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.1	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.22	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.22	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.22	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.22	< 0.21
132-64-9	Dibenzofuran							< 0.22	< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.22	< 0.21
131-11-3	Dimethyl phthalate							< 0.22	< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.22	< 0.21
87-68-3	Hexachlorobutadiene							< 0.22	< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.22	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.22	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.22	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.043	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.22	< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.22	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.043	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.087	< 0.084
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.22	< 0.21
110-86-1	Pyridine							< 0.87	< 0.84

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-005 19010622-006

Client Sample ID : A-22 A-23

Date Collected : 01/23/2019 07:00 01/23/2019 07:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21	< 0.22
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21	< 0.22
541-73-1	1,3-Dichlorobenzene							< 0.21	< 0.22
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21	< 0.22
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21	< 0.22
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21	< 0.22
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21	< 0.22
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21	< 0.22
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21	< 0.22
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0	< 1.1
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041	< 0.043
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041	< 0.043
91-58-7	2-Chloronaphthalene							< 0.21	< 0.22
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21	< 0.22
91-57-6	2-Methylnaphthalene							< 0.21	< 0.22
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21	< 0.22
88-74-4	2-Nitroaniline							< 0.21	< 0.22
88-75-5	2-Nitrophenol							< 0.21	< 0.22
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21	< 0.22
99-09-2	3-Nitroaniline							< 0.21	< 0.22
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41	< 0.43
101-55-3	4-Bromophenyl phenyl ether							< 0.21	< 0.22
59-50-7	4-Chloro-3-methylphenol							< 0.41	< 0.43
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21	< 0.22
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21	< 0.22
106-44-5	4-Methylphenol							< 0.21	< 0.22
100-01-6	4-Nitroaniline							< 0.21	< 0.22
100-02-7	4-Nitrophenol							< 0.41	< 0.43
62-53-3	Aniline							< 0.42	< 0.43
92-87-5	Benzidine							< 0.41	< 0.43
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0	< 1.1
100-51-6	Benzyl alcohol							< 0.21	< 0.22
111-91-1	Bis(2-chloroethoxy)methane							< 0.21	< 0.22
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21	< 0.22
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0	< 1.1
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21	< 0.22
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21	< 0.22
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21	< 0.22
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21	< 0.22
132-64-9	Dibenzofuran							< 0.21	< 0.22
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21	< 0.22
131-11-3	Dimethyl phthalate							< 0.21	< 0.22
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21	< 0.22
87-68-3	Hexachlorobutadiene							< 0.21	< 0.22
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21	< 0.22
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21	< 0.22
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21	< 0.22
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041	< 0.043
62-75-9	N-Nitrosodimethylamine							< 0.21	< 0.22
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21	< 0.22
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041	< 0.043
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.084	< 0.087
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21	< 0.22
110-86-1	Pyridine							< 0.84	< 0.87

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-007 19010622-008

Client Sample ID : A-24 A-25

Date Collected : 01/23/2019 07:30 01/23/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21	< 0.19
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21	< 0.19
541-73-1	1,3-Dichlorobenzene							< 0.21	< 0.19
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21	< 0.19
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21	< 0.19
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21	< 0.19
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21	< 0.19
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21	< 0.19
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21	< 0.19
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0	< 0.92
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040	< 0.037
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040	< 0.037
91-58-7	2-Chloronaphthalene							< 0.21	< 0.19
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21	< 0.19
91-57-6	2-Methylnaphthalene							< 0.21	< 0.19
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21	< 0.19
88-74-4	2-Nitroaniline							< 0.21	< 0.19
88-75-5	2-Nitrophenol							< 0.21	< 0.19
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21	< 0.19
99-09-2	3-Nitroaniline							< 0.21	< 0.19
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40	< 0.37
101-55-3	4-Bromophenyl phenyl ether							< 0.21	< 0.19
59-50-7	4-Chloro-3-methylphenol							< 0.40	< 0.37
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21	< 0.19
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21	< 0.19
106-44-5	4-Methylphenol							< 0.21	< 0.19
100-01-6	4-Nitroaniline							< 0.21	< 0.19
100-02-7	4-Nitrophenol							< 0.40	< 0.37
62-53-3	Aniline							< 0.41	< 0.37
92-87-5	Benzidine							< 0.40	< 0.37
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0	< 0.92
100-51-6	Benzyl alcohol							< 0.21	< 0.19
111-91-1	Bis(2-chloroethoxy)methane							< 0.21	< 0.19
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21	< 0.19
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0	< 0.92
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21	< 0.19
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21	< 0.19
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21	< 0.19
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21	< 0.19
132-64-9	Dibenzofuran							< 0.21	< 0.19
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21	< 0.19
131-11-3	Dimethyl phthalate							< 0.21	< 0.19
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21	< 0.19
87-68-3	Hexachlorobutadiene							< 0.21	< 0.19
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21	< 0.19
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21	< 0.19
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21	< 0.19
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040	< 0.037
62-75-9	N-Nitrosodimethylamine							< 0.21	< 0.19
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21	< 0.19
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040	< 0.037
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.082	< 0.074
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21	< 0.19
110-86-1	Pyridine							< 0.82	< 0.74

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-009 19010622-010

Client Sample ID : A-26 A-27

Date Collected : 01/23/2019 08:00 01/23/2019 08:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.20	< 0.20
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.20	< 0.20
541-73-1	1,3-Dichlorobenzene							< 0.20	< 0.20
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.20	< 0.20
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.20	< 0.20
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.20	< 0.20
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.20	< 0.20
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.20	< 0.20
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.20	< 0.20
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 0.99	< 0.99
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040	< 0.039
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040	< 0.039
91-58-7	2-Chloronaphthalene							< 0.20	< 0.20
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.20	< 0.20
91-57-6	2-Methylnaphthalene							< 0.20	< 0.20
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.20	< 0.20
88-74-4	2-Nitroaniline							< 0.20	< 0.20
88-75-5	2-Nitrophenol							< 0.20	< 0.20
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.20	< 0.20
99-09-2	3-Nitroaniline							< 0.20	< 0.20
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40	< 0.39
101-55-3	4-Bromophenyl phenyl ether							< 0.20	< 0.20
59-50-7	4-Chloro-3-methylphenol							< 0.40	< 0.39
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.20	< 0.20
7005-72-3	4-Chlorophenyl phenyl ether							< 0.20	< 0.20
106-44-5	4-Methylphenol							< 0.20	< 0.20
100-01-6	4-Nitroaniline							< 0.20	< 0.20
100-02-7	4-Nitrophenol							< 0.40	< 0.39
62-53-3	Aniline							< 0.40	< 0.40
92-87-5	Benzidine							< 0.40	< 0.39
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 0.99	< 0.99
100-51-6	Benzyl alcohol							< 0.20	< 0.20
111-91-1	Bis(2-chloroethoxy)methane							< 0.20	< 0.20
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.20	< 0.20
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 0.99	< 0.99
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.20	< 0.20
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.20	< 0.20
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.20	< 0.20
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.20	< 0.20
132-64-9	Dibenzofuran							< 0.20	< 0.20
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.20	< 0.20
131-11-3	Dimethyl phthalate							< 0.20	< 0.20
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.20	< 0.20
87-68-3	Hexachlorobutadiene							< 0.20	< 0.20
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.20	< 0.20
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.20	< 0.20
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.20	< 0.20
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040	< 0.039
62-75-9	N-Nitrosodimethylamine							< 0.20	< 0.20
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.20	< 0.20
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040	< 0.039
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.080	< 0.080
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.20	< 0.20
110-86-1	Pyridine							< 0.80	< 0.80

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-011 19010622-012

Client Sample ID : A-28 A-29

Date Collected : 01/23/2019 08:30 01/23/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.20	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.20	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.20	< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.20	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.20	< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.20	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.20	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.20	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.20	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 0.96	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.038	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.038	< 0.040
91-58-7	2-Chloronaphthalene							< 0.20	< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.20	< 0.21
91-57-6	2-Methylnaphthalene							< 0.20	< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.20	< 0.21
88-74-4	2-Nitroaniline							< 0.20	< 0.21
88-75-5	2-Nitrophenol							< 0.20	< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.20	< 0.21
99-09-2	3-Nitroaniline							< 0.20	< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.38	< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.20	< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.38	< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.20	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.20	< 0.21
106-44-5	4-Methylphenol							< 0.20	< 0.21
100-01-6	4-Nitroaniline							< 0.20	< 0.21
100-02-7	4-Nitrophenol							< 0.38	< 0.40
62-53-3	Aniline							< 0.38	< 0.41
92-87-5	Benzidine							< 0.38	< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 0.96	< 1.0
100-51-6	Benzyl alcohol							< 0.20	< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.20	< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.20	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 0.96	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.20	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.20	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.20	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.20	< 0.21
132-64-9	Dibenzofuran							< 0.20	< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.20	< 0.21
131-11-3	Dimethyl phthalate							< 0.20	< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.20	< 0.21
87-68-3	Hexachlorobutadiene							< 0.20	< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.20	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.20	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.20	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.038	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.20	< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.20	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.038	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.077	< 0.082
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.20	< 0.21
110-86-1	Pyridine							< 0.77	< 0.82

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-013 19010622-014

Client Sample ID : A-30 A-31

Date Collected : 01/23/2019 09:00 01/23/2019 09:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21	< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21	< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041	< 0.040
91-58-7	2-Chloronaphthalene							< 0.21	< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21	< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21	< 0.21
88-74-4	2-Nitroaniline							< 0.21	< 0.21
88-75-5	2-Nitrophenol							< 0.21	< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21	< 0.21
99-09-2	3-Nitroaniline							< 0.21	< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41	< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.21	< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.41	< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21	< 0.21
106-44-5	4-Methylphenol							< 0.21	< 0.21
100-01-6	4-Nitroaniline							< 0.21	< 0.21
100-02-7	4-Nitrophenol							< 0.41	< 0.40
62-53-3	Aniline							< 0.41	< 0.40
92-87-5	Benzidine							< 0.41	< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0	< 1.0
100-51-6	Benzyl alcohol							< 0.21	< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21	< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21	< 0.21
132-64-9	Dibenzofuran							< 0.21	< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21	< 0.21
131-11-3	Dimethyl phthalate							< 0.21	< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21	< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.21	< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.082	< 0.081
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21	< 0.21
110-86-1	Pyridine							< 0.82	< 0.81

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-015 19010622-016

Client Sample ID : A-32 A-33

Date Collected : 01/23/2019 09:30 01/23/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.20	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.20	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.20	< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.20	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.20	< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.20	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.20	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.20	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.20	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040	< 0.040
91-58-7	2-Chloronaphthalene							< 0.20	< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.20	< 0.21
91-57-6	2-Methylnaphthalene							< 0.20	< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.20	< 0.21
88-74-4	2-Nitroaniline							< 0.20	< 0.21
88-75-5	2-Nitrophenol							< 0.20	< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.20	< 0.21
99-09-2	3-Nitroaniline							< 0.20	< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40	< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.20	< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.40	< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.20	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.20	< 0.21
106-44-5	4-Methylphenol							< 0.20	< 0.21
100-01-6	4-Nitroaniline							< 0.20	< 0.21
100-02-7	4-Nitrophenol							< 0.40	< 0.40
62-53-3	Aniline							< 0.40	< 0.41
92-87-5	Benzidine							< 0.40	< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0	< 1.0
100-51-6	Benzyl alcohol							< 0.20	< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.20	< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.20	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.20	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.20	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.20	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.20	< 0.21
132-64-9	Dibenzofuran							< 0.20	< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.20	< 0.21
131-11-3	Dimethyl phthalate							< 0.20	< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.20	< 0.21
87-68-3	Hexachlorobutadiene							< 0.20	< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.20	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.20	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.20	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.20	< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.20	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.081	< 0.082
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.20	< 0.21
110-86-1	Pyridine							< 0.81	< 0.82

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-017

Client Sample ID : A-34

Date Collected : 01/23/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.40
62-53-3	Aniline							< 0.41
92-87-5	Benzidine							< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.082
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.82

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-002 19010622-003 19010622-004  
 Client Sample ID : A-18 A-19 A-20 A-21  
 Date Collected : 01/23/2019 06:00 01/23/2019 06:15 01/23/2019 06:30 01/23/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.097	< 0.10	< 0.10	< 0.099
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.097	< 0.10	< 0.10	< 0.099
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.097	< 0.10	< 0.10	< 0.099
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.097	< 0.10	< 0.10	< 0.099
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.097	< 0.10	< 0.10	< 0.099
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.097	< 0.10	< 0.10	< 0.099
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.097	< 0.10	< 0.10	< 0.099

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-005 19010622-006 19010622-007 19010622-008

Client Sample ID : A-22 A-23 A-24 A-25

Date Collected : 01/23/2019 07:00 01/23/2019 07:15 01/23/2019 07:30 01/23/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.091
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.091
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.091
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.091
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.091
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.091
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.099	< 0.10	< 0.10	< 0.091

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



# TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-009 19010622-010 19010622-011 19010622-012

Client Sample ID : A-26 A-27 A-28 A-29

Date Collected : 01/23/2019 08:00 01/23/2019 08:15 01/23/2019 08:30 01/23/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.098	< 0.095	< 0.093	< 0.097
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.098	< 0.095	< 0.093	< 0.097
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.098	< 0.095	< 0.093	< 0.097
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.098	< 0.095	< 0.093	< 0.097
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.098	< 0.095	< 0.093	< 0.097
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.098	< 0.095	< 0.093	< 0.097
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.098	< 0.095	< 0.093	< 0.097

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-013 19010622-014 19010622-015 19010622-016

Client Sample ID : A-30 A-31 A-32 A-33

Date Collected : 01/23/2019 09:00 01/23/2019 09:15 01/23/2019 09:30 01/23/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.099	< 0.099	< 0.096	< 0.099
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.099	< 0.099	< 0.096	< 0.099
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.099	< 0.099	< 0.096	< 0.099
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.099	< 0.099	< 0.096	< 0.099
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.099	< 0.099	< 0.096	< 0.099
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.099	< 0.099	< 0.096	< 0.099
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.099	< 0.099	< 0.096	< 0.099

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-017

Client Sample ID : A-34

Date Collected : 01/23/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
12674-11-2	Aroclor 1016	1	---	1	---	---	---	< 0.10
11104-28-2	Aroclor 1221	1	---	1	---	---	---	< 0.10
11141-16-5	Aroclor 1232	1	---	1	---	---	---	< 0.10
53469-21-9	Aroclor 1242	1	---	1	---	---	---	< 0.10
12672-29-6	Aroclor 1248	1	---	1	---	---	---	< 0.10
11097-69-1	Aroclor 1254	1	---	1	---	---	---	< 0.10
11096-82-5	Aroclor 1260	1	---	1	---	---	---	< 0.10

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-002 19010622-003 19010622-004  
Client Sample ID : A-18 A-19 A-20 A-21  
Date Collected : 01/23/2019 06:00 01/23/2019 06:15 01/23/2019 06:30 01/23/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0019	< 0.0021	< 0.0021	< 0.0020
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0019	< 0.0021	< 0.0021	< 0.0020
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0019	< 0.0021	< 0.0021	< 0.0020
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0019	< 0.0021	< 0.0021	< 0.0020
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0019	< 0.0021	< 0.0021	< 0.0020
5103-71-9	alpha-Chlordane							< 0.0019	< 0.0021	< 0.0021	< 0.0020
319-85-7	beta-BHC							< 0.0019	< 0.0021	< 0.0021	< 0.0020
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.019	< 0.021	< 0.021	< 0.020
319-86-8	delta-BHC							< 0.0019	< 0.0021	< 0.0021	< 0.0020
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0019	< 0.0021	< 0.0021	< 0.0020
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0019	< 0.0021	< 0.0021	< 0.0020
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0019	< 0.0021	< 0.0021	< 0.0020
1031-07-8	Endosulfan sulfate							< 0.0019	< 0.0021	< 0.0021	< 0.0020
72-20-8	Endrin	23	---	61	---	1	5	< 0.0019	< 0.0021	< 0.0021	< 0.0020
7421-93-4	Endrin aldehyde							< 0.0019	< 0.0021	< 0.0021	< 0.0020
53494-70-5	Endrin ketone							< 0.0019	< 0.0021	< 0.0021	< 0.0020
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0019	< 0.0021	< 0.0021	< 0.0020
5566-34-7	gamma-Chlordane							< 0.0019	< 0.0021	< 0.0021	< 0.0020
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0019	< 0.0021	< 0.0021	< 0.0020
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0019	< 0.0021	< 0.0021	< 0.0020
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0019	< 0.0021	< 0.0021	< 0.0020
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.040	< 0.043	< 0.043	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-005 19010622-006 19010622-007 19010622-008  
Client Sample ID : A-22 A-23 A-24 A-25  
Date Collected : 01/23/2019 07:00 01/23/2019 07:15 01/23/2019 07:30 01/23/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0020	< 0.0021	< 0.0020	< 0.0018
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0020	< 0.0021	< 0.0020	< 0.0018
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0020	< 0.0021	< 0.0020	< 0.0018
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0020	< 0.0021	< 0.0020	< 0.0018
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0020	< 0.0021	< 0.0020	< 0.0018
5103-71-9	alpha-Chlordane							< 0.0020	< 0.0021	< 0.0020	< 0.0018
319-85-7	beta-BHC							< 0.0020	< 0.0021	< 0.0020	< 0.0018
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.020	< 0.021	< 0.020	< 0.018
319-86-8	delta-BHC							< 0.0020	< 0.0021	< 0.0020	< 0.0018
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0020	< 0.0021	< 0.0020	< 0.0018
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0020	< 0.0021	< 0.0020	< 0.0018
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0020	< 0.0021	< 0.0020	< 0.0018
1031-07-8	Endosulfan sulfate							< 0.0020	< 0.0021	< 0.0020	< 0.0018
72-20-8	Endrin	23	---	61	---	1	5	< 0.0020	< 0.0021	< 0.0020	< 0.0018
7421-93-4	Endrin aldehyde							< 0.0020	< 0.0021	< 0.0020	< 0.0018
53494-70-5	Endrin ketone							< 0.0020	< 0.0021	< 0.0020	< 0.0018
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0020	< 0.0021	< 0.0020	< 0.0018
5566-34-7	gamma-Chlordane							< 0.0020	< 0.0021	< 0.0020	< 0.0018
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0020	< 0.0021	< 0.0020	< 0.0018
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0020	< 0.0021	< 0.0020	< 0.0018
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0020	< 0.0021	< 0.0020	< 0.0018
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.041	< 0.043	< 0.041	< 0.037

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-009 19010622-010 19010622-011 19010622-012

Client Sample ID : A-26 A-27 A-28 A-29

Date Collected : 01/23/2019 08:00 01/23/2019 08:15 01/23/2019 08:30 01/23/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0020	< 0.0019	< 0.0019	< 0.0019
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0020	< 0.0019	< 0.0019	< 0.0019
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0020	< 0.0019	< 0.0019	< 0.0019
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0020	< 0.0019	< 0.0019	< 0.0019
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0020	< 0.0019	< 0.0019	< 0.0019
5103-71-9	alpha-Chlordane							< 0.0020	< 0.0019	< 0.0019	< 0.0019
319-85-7	beta-BHC							< 0.0020	< 0.0019	< 0.0019	< 0.0019
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.020	< 0.019	< 0.019	< 0.019
319-86-8	delta-BHC							< 0.0020	< 0.0019	< 0.0019	< 0.0019
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0020	< 0.0019	< 0.0019	< 0.0019
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0020	< 0.0019	< 0.0019	< 0.0019
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0020	< 0.0019	< 0.0019	< 0.0019
1031-07-8	Endosulfan sulfate							< 0.0020	< 0.0019	< 0.0019	< 0.0019
72-20-8	Endrin	23	---	61	---	1	5	< 0.0020	< 0.0019	< 0.0019	< 0.0019
7421-93-4	Endrin aldehyde							< 0.0020	< 0.0019	< 0.0019	< 0.0019
53494-70-5	Endrin ketone							< 0.0020	< 0.0019	< 0.0019	< 0.0019
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0020	< 0.0019	< 0.0019	< 0.0019
5566-34-7	gamma-Chlordane							< 0.0020	< 0.0019	< 0.0019	< 0.0019
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0020	< 0.0019	< 0.0019	< 0.0019
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0020	< 0.0019	< 0.0019	< 0.0019
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0020	< 0.0019	< 0.0019	< 0.0019
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.040	< 0.039	< 0.039	< 0.040

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)**

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-013    19010622-014    19010622-015    19010622-016  
 Client Sample ID : A-30    A-31    A-32    A-33  
 Date Collected : 01/23/2019 09:00 01/23/2019 09:15 01/23/2019 09:30 01/23/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0020	< 0.0020	< 0.0019	< 0.0020
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0020	< 0.0020	< 0.0019	< 0.0020
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0020	< 0.0020	< 0.0019	< 0.0020
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0020	< 0.0020	< 0.0019	< 0.0020
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0020	< 0.0020	< 0.0019	< 0.0020
5103-71-9	alpha-Chlordane							< 0.0020	< 0.0020	< 0.0019	< 0.0020
319-85-7	beta-BHC							< 0.0020	< 0.0020	< 0.0019	< 0.0020
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.020	< 0.020	< 0.019	< 0.020
319-86-8	delta-BHC							< 0.0020	< 0.0020	< 0.0019	< 0.0020
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0020	< 0.0020	< 0.0019	< 0.0020
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0020	< 0.0020	< 0.0019	< 0.0020
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0020	< 0.0020	< 0.0019	< 0.0020
1031-07-8	Endosulfan sulfate							< 0.0020	< 0.0020	< 0.0019	< 0.0020
72-20-8	Endrin	23	---	61	---	1	5	< 0.0020	< 0.0020	< 0.0019	< 0.0020
7421-93-4	Endrin aldehyde							< 0.0020	< 0.0020	< 0.0019	< 0.0020
53494-70-5	Endrin ketone							< 0.0020	< 0.0020	< 0.0019	< 0.0020
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0020	< 0.0020	< 0.0019	< 0.0020
5566-34-7	gamma-Chlordane							< 0.0020	< 0.0020	< 0.0019	< 0.0020
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0020	< 0.0020	< 0.0019	< 0.0020
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0020	< 0.0020	< 0.0019	< 0.0020
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0020	< 0.0020	< 0.0019	< 0.0020
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.041	< 0.041	< 0.040	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)**

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-017

Client Sample ID : A-34

Date Collected : 01/23/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0020
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0020
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0020
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0020
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0020
5103-71-9	alpha-Chlordane							< 0.0020
319-85-7	beta-BHC							< 0.0020
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.020
319-86-8	delta-BHC							< 0.0020
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0020
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0020
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0020
1031-07-8	Endosulfan sulfate							< 0.0020
72-20-8	Endrin	23	---	61	---	1	5	< 0.0020
7421-93-4	Endrin aldehyde							< 0.0020
53494-70-5	Endrin ketone							< 0.0020
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0020
5566-34-7	gamma-Chlordane							< 0.0020
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0020
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0020
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0020
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)**

Client: Environmental Group Services, Ltd.  
 Project: Franklin - EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-002 19010622-003 19010622-004  
 Client Sample ID : A-18 A-19 A-20 A-21  
 Date Collected : 01/23/2019 06:00 01/23/2019 06:15 01/23/2019 06:30 01/23/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7429-90-5	Aluminum							13000	15000	14000	13000
7440-36-0	Antimony	31	---	82	---			< 2.0	< 2.4	< 2.3	< 2.2
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			4.7	4.3	3.9	5.2
7440-39-3	Barium	5,500	690,000	14,000	870,000			30	60	71	74
7440-41-7	Beryllium	160	1,300	410	44,000			0.70	0.80	0.82	0.70
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.51	< 0.59	< 0.58	< 0.56
7440-70-2	Calcium	---	---	---	---			77000	52000	47000	70000
7440-47-3	Chromium	230	270	4,100	690			24	28	28	26
7440-48-4	Cobalt	4,700	---	12,000	---			11	17	15	19
7440-50-8	Copper	2,900	---	8,200	---			30	26	24	30
57-12-5	Cyanide	1,600	---	4,100	---			< 0.30	< 0.33	< 0.33	< 0.31
7439-89-6	Iron		---		---			24000	26000	25000	25000
7439-92-1	Lead	400	---	700	---			14	15	14	15
7439-95-4	Magnesium	325,000	---	730,000	---			38000	25000	22000	34000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			480	380	350	510
7439-97-6	Mercury	23	10	61	0.1			< 0.021	0.029	0.027	0.024
7440-02-0	Nickel	1,600	13,000	4,100	440,000			33	47	43	45
7440-09-7	Potassium	---	---	---	---			2900	3400	3300	3100
7782-49-2	Selenium	390	---	1,000	---			< 1.0	< 1.2	< 1.2	< 1.1
7440-22-4	Silver	390	---	1,000	---			< 1.0	< 1.2	< 1.2	< 1.1
7440-23-5	Sodium	---	---	---	---			180	150	140	150
7440-28-0	Thallium	6.3	---	160	---			< 1.0	< 1.2	< 1.2	< 1.1
7440-62-2	Vanadium	550	---	1,400	---			29	27	27	26
7440-66-6	Zinc	23,000	---	61,000	---			56	56	56	56

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)**

Client: Environmental Group Services, Ltd.  
 Project: Franklin - EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-005    19010622-006    19010622-007    19010622-008  
 Client Sample ID : A-22    A-23    A-24    A-25  
 Date Collected : 01/23/2019 07:00 01/23/2019 07:15 01/23/2019 07:30 01/23/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7429-90-5	Aluminum							18000	19000	17000	13000
7440-36-0	Antimony	31	---	82	---			< 2.2	< 2.3	< 2.2	< 1.9
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			11	6.8	6.1	13
7440-39-3	Barium	5,500	690,000	14,000	870,000			76	78	120	39
7440-41-7	Beryllium	160	1,300	410	44,000			1.0	1.1	0.98	0.76
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.54	< 0.58	< 0.55	< 0.49
7440-70-2	Calcium	---	---	---	---			76000	66000	80000	70000
7440-47-3	Chromium	230	270	4,100	690			35	38	33	26
7440-48-4	Cobalt	4,700	---	12,000	---			21	27	18	17
7440-50-8	Copper	2,900	---	8,200	---			39	32	37	33
57-12-5	Cyanide	1,600	---	4,100	---			< 0.31	< 0.33	< 0.31	< 0.28
7439-89-6	Iron		---		---			33000	34000	35000	27000
7439-92-1	Lead	400	---	700	---			17	20	17	16
7439-95-4	Magnesium	325,000	---	730,000	---			37000	31000	39000	35000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			600	500	640	520
7439-97-6	Mercury	23	10	61	0.1			< 0.022	0.023	0.026	0.025
7440-02-0	Nickel	1,600	13,000	4,100	440,000			56	70	50	44
7440-09-7	Potassium	---	---	---	---			4700	4900	4000	3300
7782-49-2	Selenium	390	---	1,000	---			< 1.1	1.5	< 1.1	< 0.97
7440-22-4	Silver	390	---	1,000	---			< 1.1	< 1.2	< 1.1	< 0.97
7440-23-5	Sodium	---	---	---	---			200	200	190	230
7440-28-0	Thallium	6.3	---	160	---			< 1.1	< 1.2	< 1.1	< 0.97
7440-62-2	Vanadium	550	---	1,400	---			36	37	32	26
7440-66-6	Zinc	23,000	---	61,000	---			69	74	69	57

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-009 19010622-010 19010622-011 19010622-012  
Client Sample ID : A-26 A-27 A-28 A-29  
Date Collected : 01/23/2019 08:00 01/23/2019 08:15 01/23/2019 08:30 01/23/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7429-90-5	Aluminum							12000	15000	14000	16000
7440-36-0	Antimony	31	---	82	---			< 2.2	< 2.2	< 2.1	< 2.2
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			13	8.0	7.0	11
7440-39-3	Barium	5,500	690,000	14,000	870,000			39	63	73	69
7440-41-7	Beryllium	160	1,300	410	44,000			0.76	0.86	0.83	0.88
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.55	< 0.54	< 0.54	< 0.55
7440-70-2	Calcium	---	---	---	---			58000	71000	76000	97000
7440-47-3	Chromium	230	270	4,100	690			23	30	34	31
7440-48-4	Cobalt	4,700	---	12,000	---			9.4	16	14	21
7440-50-8	Copper	2,900	---	8,200	---			45	32	30	39
57-12-5	Cyanide	1,600	---	4,100	---			< 0.31	< 0.30	< 0.29	< 0.31
7439-89-6	Iron		---		---			30000	28000	32000	32000
7439-92-1	Lead	400	---	700	---			24	15	17	18
7439-95-4	Magnesium	325,000	---	730,000	---			29000	35000	37000	45000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			310	530	490	670
7439-97-6	Mercury	23	10	61	0.1			0.027	0.026	0.027	0.029
7440-02-0	Nickel	1,600	13,000	4,100	440,000			34	44	44	54
7440-09-7	Potassium	---	---	---	---			2700	3900	3200	3800
7782-49-2	Selenium	390	---	1,000	---			< 1.1	< 1.1	< 1.1	1.2
7440-22-4	Silver	390	---	1,000	---			< 1.1	< 1.1	< 1.1	< 1.1
7440-23-5	Sodium	---	---	---	---			200	360	350	240
7440-28-0	Thallium	6.3	---	160	---			< 1.1	< 1.1	< 1.1	< 1.1
7440-62-2	Vanadium	550	---	1,400	---			29	30	28	33
7440-66-6	Zinc	23,000	---	61,000	---			53	60	63	68

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)**

Client: Environmental Group Services, Ltd.  
 Project: Franklin - EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-013    19010622-014    19010622-015    19010622-016  
 Client Sample ID : A-30    A-31    A-32    A-33  
 Date Collected : 01/23/2019 09:00 01/23/2019 09:15 01/23/2019 09:30 01/23/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7429-90-5	Aluminum							14000	16000	15000	16000
7440-36-0	Antimony	31	---	82	---			< 2.2	< 2.1	< 2.0	< 2.3
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			11	11	6.6	10
7440-39-3	Barium	5,500	690,000	14,000	870,000			46	79	63	87
7440-41-7	Beryllium	160	1,300	410	44,000			0.95	0.90	0.79	0.86
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.55	< 0.53	< 0.51	< 0.57
7440-70-2	Calcium	---	---	---	---			54000	73000	74000	81000
7440-47-3	Chromium	230	270	4,100	690			27	29	27	31
7440-48-4	Cobalt	4,700	---	12,000	---			18	19	15	20
7440-50-8	Copper	2,900	---	8,200	---			54	33	29	34
57-12-5	Cyanide	1,600	---	4,100	---			< 0.31	< 0.31	< 0.31	< 0.31
7439-89-6	Iron		---		---			39000	31000	28000	29000
7439-92-1	Lead	400	---	700	---			26	16	15	17
7439-95-4	Magnesium	325,000	---	730,000	---			27000	35000	33000	38000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			450	620	530	570
7439-97-6	Mercury	23	10	61	0.1			0.030	0.022	0.024	0.025
7440-02-0	Nickel	1,600	13,000	4,100	440,000			57	49	42	50
7440-09-7	Potassium	---	---	---	---			3000	3700	2600	3900
7782-49-2	Selenium	390	---	1,000	---			1.9	1.1	< 1.0	< 1.1
7440-22-4	Silver	390	---	1,000	---			< 1.1	< 1.1	< 1.0	< 1.1
7440-23-5	Sodium	---	---	---	---			680	350	740	240
7440-28-0	Thallium	6.3	---	160	---			< 1.1	< 1.1	< 1.0	< 1.1
7440-62-2	Vanadium	550	---	1,400	---			31	30	27	31
7440-66-6	Zinc	23,000	---	61,000	---			98	66	64	69

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-017

Client Sample ID : A-34

Date Collected : 01/23/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
7429-90-5	Aluminum							14000
7440-36-0	Antimony	31	---	82	---			< 2.3
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			9.0
7440-39-3	Barium	5,500	690,000	14,000	870,000			91
7440-41-7	Beryllium	160	1,300	410	44,000			0.85
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.56
7440-70-2	Calcium	---	---	---	---			79000
7440-47-3	Chromium	230	270	4,100	690			28
7440-48-4	Cobalt	4,700	---	12,000	---			19
7440-50-8	Copper	2,900	---	8,200	---			32
57-12-5	Cyanide	1,600	---	4,100	---			< 0.31
7439-89-6	Iron		---		---			27000
7439-92-1	Lead	400	---	700	---			15
7439-95-4	Magnesium	325,000	---	730,000	---			37000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			550
7439-97-6	Mercury	23	10	61	0.1			0.024
7440-02-0	Nickel	1,600	13,000	4,100	440,000			46
7440-09-7	Potassium	---	---	---	---			3700
7782-49-2	Selenium	390	---	1,000	---			< 1.1
7440-22-4	Silver	390	---	1,000	---			< 1.1
7440-23-5	Sodium	---	---	---	---			250
7440-28-0	Thallium	6.3	---	160	---			< 1.1
7440-62-2	Vanadium	550	---	1,400	---			30
7440-66-6	Zinc	23,000	---	61,000	---			60

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-002 19010622-003 19010622-004

Client Sample ID : A-18 A-19 A-20 A-21

Date Collected : 01/23/2019 06:00 01/23/2019 06:15 01/23/2019 06:30 01/23/2019 06:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7440-36-0	Antimony					0.006	0.024	< 0.015	< 0.015	< 0.015	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010	< 0.010	< 0.010	< 0.010
7440-39-3	Barium					2.0	2.0	0.054	0.73	0.72	0.74
7440-41-7	Beryllium					0.004	0.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010	< 0.010	< 0.010	< 0.010
7440-48-4	Cobalt					1.0	1.0	0.025	0.053	0.099	0.080
7440-50-8	Copper					0.65	0.65	< 0.10	< 0.10	< 0.10	< 0.10
7439-89-6	Iron					5.0	5.0	1.2	< 0.25	< 0.25	< 0.25
7439-92-1	Lead					0.0075	0.1	<b>0.014</b>	< 0.0050	<b>0.0089</b>	0.0069
7439-96-5	Manganese					0.15	10.0	<b>5.0</b>	<b>4.5</b>	<b>4.7</b>	<b>4.3</b>
7439-97-6	Mercury					0.002	0.01	0.00025	< 0.00020	< 0.00020	0.00020
7440-02-0	Nickel					0.1	2.0	0.040	0.067	<b>0.16</b>	<b>0.15</b>
7782-49-2	Selenium					0.05	0.05	< 0.010	< 0.010	< 0.010	< 0.010
7440-22-4	Silver					0.05	—	< 0.010	< 0.010	< 0.010	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010	< 0.010	< 0.010	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050	< 0.050	0.055	< 0.050

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-005 19010622-006 19010622-007 19010622-008

Client Sample ID : A-22 A-23 A-24 A-25

Date Collected : 01/23/2019 07:00 01/23/2019 07:15 01/23/2019 07:30 01/23/2019 07:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7440-36-0	Antimony					0.006	0.024	< 0.015	< 0.015	< 0.015	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010	< 0.010	< 0.010	< 0.010
7440-39-3	Barium					2.0	2.0	0.83	0.74	0.83	0.43
7440-41-7	Beryllium					0.004	0.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010	< 0.010	< 0.010	< 0.010
7440-48-4	Cobalt					1.0	1.0	0.052	0.034	0.066	0.095
7440-50-8	Copper					0.65	0.65	< 0.10	< 0.10	0.12	0.16
7439-89-6	Iron					5.0	5.0	< 0.25	< 0.25	< 0.25	< 0.25
7439-92-1	Lead					0.0075	0.1	<b>0.0077</b>	< 0.0050	<b>0.014</b>	<b>0.013</b>
7439-96-5	Manganese					0.15	10.0	<b>6.5</b>	<b>2.1</b>	<b>6.7</b>	<b>6.3</b>
7439-97-6	Mercury					0.002	0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020
7440-02-0	Nickel					0.1	2.0	0.072	0.081	0.083	<b>0.17</b>
7782-49-2	Selenium					0.05	0.05	< 0.010	< 0.010	< 0.010	< 0.010
7440-22-4	Silver					0.05	---	< 0.010	< 0.010	< 0.010	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010	< 0.010	< 0.010	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050	< 0.050	< 0.050	0.065

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-009 19010622-010 19010622-011 19010622-012

Client Sample ID : A-26 A-27 A-28 A-29

Date Collected : 01/23/2019 08:00 01/23/2019 08:15 01/23/2019 08:30 01/23/2019 08:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7440-36-0	Antimony					0.006	0.024	< 0.015	< 0.015	< 0.015	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010	< 0.010	< 0.010	< 0.010
7440-39-3	Barium					2.0	2.0	0.34	0.77	0.53	0.52
7440-41-7	Beryllium					0.004	0.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010	< 0.010	< 0.010	< 0.010
7440-48-4	Cobalt					1.0	1.0	< 0.010	0.037	0.017	0.063
7440-50-8	Copper					0.65	0.65	< 0.10	< 0.10	< 0.10	0.14
7439-89-6	Iron					5.0	5.0	< 0.25	0.44	1.5	< 0.25
7439-92-1	Lead					0.0075	0.1	< 0.0050	< 0.0050	< 0.0050	<b>0.0095</b>
7439-96-5	Manganese					0.15	10.0	<b>0.90</b>	<b>4.7</b>	<b>3.5</b>	<b>5.2</b>
7439-97-6	Mercury					0.002	0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020
7440-02-0	Nickel					0.1	2.0	< 0.020	0.020	< 0.020	<b>0.12</b>
7782-49-2	Selenium					0.05	0.05	< 0.010	< 0.010	< 0.010	< 0.010
7440-22-4	Silver					0.05	---	< 0.010	< 0.010	< 0.010	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010	< 0.010	< 0.010	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050	< 0.050	< 0.050	0.066

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-013 19010622-014 19010622-015 19010622-016  
Client Sample ID : A-30 A-31 A-32 A-33  
Date Collected : 01/23/2019 09:00 01/23/2019 09:15 01/23/2019 09:30 01/23/2019 09:45

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
7440-36-0	Antimony					0.006	0.024	< 0.015	< 0.015	< 0.015	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010	< 0.010	< 0.010	< 0.010
7440-39-3	Barium					2.0	2.0	0.55	0.46	0.49	0.95
7440-41-7	Beryllium					0.004	0.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010	< 0.010	< 0.010	< 0.010
7440-48-4	Cobalt					1.0	1.0	0.038	0.027	0.065	0.11
7440-50-8	Copper					0.65	0.65	< 0.10	< 0.10	< 0.10	0.14
7439-89-6	Iron					5.0	5.0	0.28	< 0.25	0.31	< 0.25
7439-92-1	Lead					0.0075	0.1	< 0.0050	< 0.0050	< 0.0050	<b>0.0087</b>
7439-96-5	Manganese					0.15	10.0	<b>4.8</b>	<b>2.7</b>	<b>5.9</b>	<b>5.2</b>
7439-97-6	Mercury					0.002	0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020
7440-02-0	Nickel					0.1	2.0	0.043	0.074	0.051	<b>0.17</b>
7782-49-2	Selenium					0.05	0.05	< 0.010	< 0.010	< 0.010	< 0.010
7440-22-4	Silver					0.05	---	< 0.010	< 0.010	< 0.010	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010	< 0.010	< 0.010	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050	< 0.050	< 0.050	0.064

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-017

Client Sample ID : A-34

Date Collected : 01/23/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
7440-36-0	Antimony					0.006	0.024	< 0.015
7440-38-2	Arsenic					0.05	0.2	< 0.010
7440-39-3	Barium					2.0	2.0	0.84
7440-41-7	Beryllium					0.004	0.5	< 0.0050
7440-43-9	Cadmium					0.005	0.05	< 0.0050
7440-47-3	Chromium					0.1	1.0	< 0.010
7440-48-4	Cobalt					1.0	1.0	0.064
7440-50-8	Copper					0.65	0.65	< 0.10
7439-89-6	Iron					5.0	5.0	< 0.25
7439-92-1	Lead					0.0075	0.1	< 0.0050
7439-96-5	Manganese					0.15	10.0	<b>2.6</b>
7439-97-6	Mercury					0.002	0.01	< 0.00020
7440-02-0	Nickel					0.1	2.0	<b>0.13</b>
7782-49-2	Selenium					0.05	0.05	< 0.010
7440-22-4	Silver					0.05	---	< 0.010
7440-28-0	Thallium					0.002	0.02	< 0.0050
7440-62-2	Vanadium					0.049	0.1	< 0.010
7440-66-6	Zinc					5.0	10	< 0.050

All units are mg/L unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

# TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-002 19010622-010  
Client Sample ID : A-19 A-27  
Date Collected : 01/23/2019 06:15 01/23/2019 08:15  
pH = 7.7 pH = 7.65

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values			
	Ingestion	Inhalation	Class I	Class II		
	pH Range 7.25 to 7.74					
Aluminum					15000	15000
Antimony	31	---	5	20	< 2.4	< 2.2
Arsenic	13.0/11.3	750	30	120	4.3	8.0
Barium	5,500	690,000	1,800	1,800	60	63
Beryllium	160	1,300	1,000	130,000	0.80	0.86
Cadmium	78	1,800	59	590	< 0.59	< 0.54
Calcium	---	---			52000	71000
Chromium	230	270	32	No Data	28	30
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	17	16
Copper	2,900	---	330,000	330,000	26	32
Cyanide	1,600	---	40	120	< 0.33	< 0.30
Iron		---	See TCLP/SPLP	See TCLP/SPLP	26000	28000
Lead	400	---	107	1,420	15	15
Magnesium	325,000	---			25000	35000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	380	530
Mercury	23	10 / 0.1*	6.4	32	0.029	0.026
Nickel	1,600	13,000	700	14,000	47	44
Potassium	---	---			3400	3900
Selenium	390	---	3.3	3.3	< 1.2	< 1.1
Silver	390	---	39		< 1.2	< 1.1
Sodium	---	---			150	360
Thallium	6.3	---	3.4	34	< 1.2	< 1.1
Vanadium	550	---	980	See TCLP/SPLP	27	30
Zinc	23,000	---	16,000	32,000	56	60

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

Bolded/Shaded values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-003 19010622-004 19010622-005 19010622-006  
Client Sample ID : A-18 A-20 A-21 A-22 A-23  
Date Collected : 01/23/2019 06:00 01/23/2019 06:30 01/23/2019 06:45 01/23/2019 07:00 01/23/2019 07:15  
pH = 7.83 pH = 7.94 pH = 7.9 pH = 8.05 pH = 8.18

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values						
	Ingestion	Inhalation	Class I	Class II					
	pH Range 7.75 to 8.24								
Aluminum					13000	14000	13000	18000	19000
Antimony	31	---	5	20	< 2.0	< 2.3	< 2.2	< 2.2	< 2.3
Arsenic	13.0/11.3	750	31	120	4.7	3.9	5.2	11	6.8
Barium	5,500	690,000	2,100	2,100	30	71	74	76	78
Beryllium	160	1,300	8,000	1,000,000	0.70	0.82	0.70	1.0	1.1
Cadmium	78	1,800	430	4,300	< 0.51	< 0.58	< 0.56	< 0.54	< 0.58
Calcium	---	---			77000	47000	70000	76000	66000
Chromium	230	270	28	No Data	24	28	26	<b>35</b>	<b>38</b>
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	11	15	19	21	27
Copper	2,900	---	330,000	330,000	30	24	30	39	32
Cyanide	1,600	---	40	120	< 0.30	< 0.33	< 0.31	< 0.31	< 0.33
Iron		---	See TCLP/SPLP	See TCLP/SPLP	24000	25000	25000	33000	34000
Lead	400	---	107	1,420	14	14	15	17	20
Magnesium	325,000	---			38000	22000	34000	37000	31000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	480	350	510	600	500
Mercury	23	10 / 0.1*	8.0	40	< 0.021	0.027	0.024	< 0.022	0.023
Nickel	1,600	13,000	3,800	76,000	33	43	45	56	70
Potassium	---	---			2900	3300	3100	4700	4900
Selenium	390	---	2.4	2.4	< 1.0	< 1.2	< 1.1	< 1.1	1.5
Silver	390	---	110		< 1.0	< 1.2	< 1.1	< 1.1	< 1.2
Sodium	---	---			180	140	150	200	200
Thallium	6.3	---	3.8	38	< 1.0	< 1.2	< 1.1	< 1.1	< 1.2
Vanadium	550	---	980	See TCLP/SPLP	29	27	26	36	37
Zinc	23,000	---	53,000	110,000	56	56	56	69	74

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

Bolded/Shaded values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-007 19010622-008 19010622-009 19010622-011 19010622-012  
Client Sample ID : A-24 A-25 A-26 A-28 A-29  
Date Collected : 01/23/2019 07:30 01/23/2019 07:45 01/23/2019 08:00 01/23/2019 08:30 01/23/2019 08:45  
pH = 8.11 pH = 7.77 pH = 8.1 pH = 7.81 pH = 7.91

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values						
	Ingestion	Inhalation	Class I	Class II					
	pH Range 7.75 to 8.24								
Aluminum					17000	13000	12000	14000	16000
Antimony	31	---	5	20	< 2.2	< 1.9	< 2.2	< 2.1	< 2.2
Arsenic	13.0/11.3	750	31	120	6.1	13	13	7.0	11
Barium	5,500	690,000	2,100	2,100	120	39	39	73	69
Beryllium	160	1,300	8,000	1,000,000	0.98	0.76	0.76	0.83	0.88
Cadmium	78	1,800	430	4,300	< 0.55	< 0.49	< 0.55	< 0.54	< 0.55
Calcium	---	---			80000	70000	58000	76000	97000
Chromium	230	270	28	No Data	<b>33</b>	26	23	<b>34</b>	<b>31</b>
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	18	17	9.4	14	21
Copper	2,900	---	330,000	330,000	37	33	45	30	39
Cyanide	1,600	---	40	120	< 0.31	< 0.28	< 0.31	< 0.29	< 0.31
Iron		---	See TCLP/SPLP	See TCLP/SPLP	35000	27000	30000	32000	32000
Lead	400	---	107	1,420	17	16	24	17	18
Magnesium	325,000	---			39000	35000	29000	37000	45000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	640	520	310	490	670
Mercury	23	10 / 0.1*	8.0	40	0.026	0.025	0.027	0.027	0.029
Nickel	1,600	13,000	3,800	76,000	50	44	34	44	54
Potassium	---	---			4000	3300	2700	3200	3800
Selenium	390	---	2.4	2.4	< 1.1	< 0.97	< 1.1	< 1.1	1.2
Silver	390	---	110		< 1.1	< 0.97	< 1.1	< 1.1	< 1.1
Sodium	---	---			190	230	200	350	240
Thallium	6.3	---	3.8	38	< 1.1	< 0.97	< 1.1	< 1.1	< 1.1
Vanadium	550	---	980	See TCLP/SPLP	32	26	29	28	33
Zinc	23,000	---	53,000	110,000	69	57	53	63	68

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

Bolded/Shaded values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

# TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-013 19010622-014 19010622-015 19010622-016 19010622-017  
Client Sample ID : A-30 A-31 A-32 A-33 A-34  
Date Collected : 01/23/2019 09:00 01/23/2019 09:15 01/23/2019 09:30 01/23/2019 09:45 01/23/2019 10:00  
pH = 8.07 pH = 7.97 pH = 8.1 pH = 8.23 pH = 8.05

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values		14000	16000	15000	16000	14000
	Ingestion	Inhalation	Class I	Class II					
	pH Range 7.75 to 8.24								
Aluminum									
Antimony	31	---	5	20	< 2.2	< 2.1	< 2.0	< 2.3	< 2.3
Arsenic	13.0/11.3	750	31	120	11	11	6.6	10	9.0
Barium	5,500	690,000	2,100	2,100	46	79	63	87	91
Beryllium	160	1,300	8,000	1,000,000	0.95	0.90	0.79	0.86	0.85
Cadmium	78	1,800	430	4,300	< 0.55	< 0.53	< 0.51	< 0.57	< 0.56
Calcium	---	---			54000	73000	74000	81000	79000
Chromium	230	270	28	No Data	27	29	27	31	28
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	18	19	15	20	19
Copper	2,900	---	330,000	330,000	54	33	29	34	32
Cyanide	1,600	---	40	120	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Iron		---	See TCLP/SPLP	See TCLP/SPLP	39000	31000	28000	29000	27000
Lead	400	---	107	1,420	26	16	15	17	15
Magnesium	325,000	---			27000	35000	33000	38000	37000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	450	620	530	570	550
Mercury	23	10 / 0.1*	8.0	40	0.030	0.022	0.024	0.025	0.024
Nickel	1,600	13,000	3,800	76,000	57	49	42	50	46
Potassium	---	---			3000	3700	2600	3900	3700
Selenium	390	---	2.4	2.4	1.9	1.1	< 1.0	< 1.1	< 1.1
Silver	390	---	110		< 1.1	< 1.1	< 1.0	< 1.1	< 1.1
Sodium	---	---			680	350	740	240	250
Thallium	6.3	---	3.8	38	< 1.1	< 1.1	< 1.0	< 1.1	< 1.1
Vanadium	550	---	980	See TCLP/SPLP	31	30	27	31	30
Zinc	23,000	---	53,000	110,000	98	66	64	69	60

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

Bolded/Shaded values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.  
 Project: Franklin - EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-002 19010622-003 19010622-004 19010622-005 19010622-006 19010622-007  
 Client Sample ID : A-18 A-19 A-20 A-21 A-22 A-23 A-24  
 Date Collected : 01/23/2019 06:00 01/23/2019 06:15 01/23/2019 06:30 01/23/2019 06:45 01/23/2019 07:00 01/23/2019 07:15 01/23/2019 07:30

	Analyte	Concentration of Chemicals in Background Soils									
		City of Chicago	Within MSA	Outside MSA							
PNA	Acenaphthene	0.09	0.13	0.04	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Acenaphthylene	0.03	0.07	0.04	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Anthracene	0.25	0.40	0.14	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Benz(a)anthracene	1.1	1.8	0.72	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Benzo(a)pyrene	1.3	2.1	0.98	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Benzo(b)fluoranthene	1.5	2.1	0.70	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Benzo(g,h,i)perylene	0.68	1.7	0.84	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Benzo(k)fluoranthene	0.99	1.7	0.63	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Chrysene	1.2	2.7	1.1	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Dibenz(a,h)anthracene	0.20	0.42	0.15	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Fluoranthene	2.7	4.1	1.8	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Fluorene	0.10	0.18	0.04	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Indeno(1,2,3-cd)pyrene	0.86	1.6	0.51	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Naphthalene	0.04	0.20	0.17	< 0.041	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Phenanthrene	1.3	2.5	0.99	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
	Pyrene	1.9	3.0	1.2	< 0.039	< 0.043	< 0.043	< 0.041	< 0.041	< 0.043	< 0.040
INORG	Aluminum		9,500	9,200	13000	15000	14000	13000	18000	19000	17000
	Antimony		4.0	3.3	< 2.0	< 2.4	< 2.3	< 2.2	< 2.2	< 2.3	< 2.2
	Arsenic		13.0	11.3	4.7	4.3	3.9	5.2	11	6.8	6.1
	Barium		110	122	30	60	71	74	76	78	120
	Beryllium		0.59	0.56	0.70	0.80	0.82	0.70	1.0	1.1	0.98
	Cadmium		0.6	0.50	< 0.51	< 0.59	< 0.58	< 0.56	< 0.54	< 0.58	< 0.55
	Calcium		9,300	5,525	77000	52000	47000	70000	76000	66000	80000
	Chromium		16.2	13.0	24	28	28	26	35	38	33
	Cobalt		8.9	8.9	11	17	15	19	21	27	18
	Copper		19.6	12.0	30	26	24	30	39	32	37
	Cyanide		0.51	0.50	< 0.30	< 0.33	< 0.33	< 0.31	< 0.31	< 0.33	< 0.31
	Iron		15,900	15,000	24000	26000	25000	25000	33000	34000	35000
	Lead		36.0	20.9	14	15	14	15	17	20	17
	Magnesium		4,820	2,700	38000	25000	22000	34000	37000	31000	39000
	Manganese		636	630	480	380	350	510	600	500	640
	Mercury		0.06	0.05	< 0.021	0.029	0.027	0.024	< 0.022	0.023	0.026
	Nickel		18.0	13.0	33	47	43	45	56	70	50
	Potassium		1,268	1,100	2900	3400	3300	3100	4700	4900	4000
	Selenium		0.48	0.37	< 1.0	< 1.2	< 1.2	< 1.1	< 1.1	1.5	< 1.1
	Silver		0.55	0.50	< 1.0	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1
	Sodium		130	130.0	180	150	140	150	200	200	190
	Thallium		0.32	0.42	< 1.0	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1
	Vanadium		25.2	25.0	29	27	27	26	36	37	32
	Zinc		95.0	60.2	56	56	56	56	69	74	69

MSA - Metropolitan Statistical Area

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix A Table G and Table H.

Bolded/Shaded values exceed the within MSA background level.

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-008 19010622-009 19010622-010 19010622-011 19010622-012 19010622-013 19010622-014  
 Client Sample ID : A-25 A-26 A-27 A-28 A-29 A-30 A-31  
 Date Collected : 01/23/2019 07:45 01/23/2019 08:00 01/23/2019 08:15 01/23/2019 08:30 01/23/2019 08:45 01/23/2019 09:00 01/23/2019 09:15

	Analyte	Concentration of Chemicals in Background Soils									
		City of Chicago	Within MSA	Outside MSA							
PNA	Acenaphthene	0.09	0.13	0.04	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Acenaphthylene	0.03	0.07	0.04	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Anthracene	0.25	0.40	0.14	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Benzo(a)anthracene	1.1	1.8	0.72	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Benzo(a)pyrene	1.3	2.1	0.98	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Benzo(b)fluoranthene	1.5	2.1	0.70	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Benzo(g,h,i)perylene	0.68	1.7	0.84	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Benzo(k)fluoranthene	0.99	1.7	0.63	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Chrysene	1.2	2.7	1.1	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Dibenz(a,h)anthracene	0.20	0.42	0.15	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Fluoranthene	2.7	4.1	1.8	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Fluorene	0.10	0.18	0.04	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Indeno(1,2,3-cd)pyrene	0.86	1.6	0.51	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Naphthalene	0.04	0.20	0.17	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Phenanthrene	1.3	2.5	0.99	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
	Pyrene	1.9	3.0	1.2	< 0.037	< 0.040	< 0.039	< 0.038	< 0.040	< 0.041	< 0.040
INORG	Aluminum		9,500	9,200	<b>13000</b>	<b>12000</b>	<b>15000</b>	<b>14000</b>	<b>16000</b>	<b>14000</b>	<b>16000</b>
	Antimony		4.0	3.3	< 1.9	< 2.2	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
	Arsenic		13.0	11.3	13	13	8.0	7.0	11	11	11
	Barium		110	122	39	39	63	73	69	46	79
	Beryllium		0.59	0.56	<b>0.76</b>	<b>0.76</b>	<b>0.86</b>	<b>0.83</b>	<b>0.88</b>	<b>0.95</b>	<b>0.90</b>
	Cadmium		0.6	0.50	< 0.49	< 0.55	< 0.54	< 0.54	< 0.55	< 0.55	< 0.53
	Calcium		9,300	5,525	<b>70000</b>	<b>58000</b>	<b>71000</b>	<b>76000</b>	<b>97000</b>	<b>54000</b>	<b>73000</b>
	Chromium		16.2	13.0	<b>26</b>	<b>23</b>	<b>30</b>	<b>34</b>	<b>31</b>	<b>27</b>	<b>29</b>
	Cobalt		8.9	8.9	<b>17</b>	<b>19.4</b>	<b>116</b>	<b>14</b>	<b>21</b>	<b>18</b>	<b>19</b>
	Copper		19.6	12.0	<b>33</b>	<b>45</b>	<b>132</b>	<b>30</b>	<b>39</b>	<b>54</b>	<b>33</b>
	Cyanide		0.51	0.50	< 0.28	< 0.31	< 0.30	< 0.29	< 0.31	< 0.31	< 0.31
	Iron		15,900	15,000	<b>27000</b>	<b>30000</b>	<b>28000</b>	<b>32000</b>	<b>32000</b>	<b>39000</b>	<b>31000</b>
	Lead		36.0	20.9	16	24	15	17	18	26	16
	Magnesium		4,820	2,700	<b>35000</b>	<b>29000</b>	<b>35000</b>	<b>37000</b>	<b>45000</b>	<b>27000</b>	<b>35000</b>
	Manganese		636	630	520	310	530	490	<b>670</b>	450	620
	Mercury		0.06	0.05	0.025	0.027	0.026	0.027	0.029	0.030	0.022
	Nickel		18.0	13.0	<b>44</b>	<b>34</b>	<b>144</b>	<b>44</b>	<b>54</b>	<b>57</b>	<b>49</b>
	Potassium		1,268	1,100	<b>3300</b>	<b>2700</b>	<b>3900</b>	<b>3200</b>	<b>3800</b>	<b>3000</b>	<b>3700</b>
	Selenium		0.48	0.37	< 0.97	< 1.1	< 1.1	< 1.1	<b>1.12</b>	<b>1.19</b>	<b>1.1</b>
	Silver		0.55	0.50	< 0.97	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
	Sodium		130	130.0	<b>230</b>	<b>200</b>	<b>360</b>	<b>350</b>	<b>240</b>	<b>680</b>	<b>350</b>
	Thallium		0.32	0.42	< 0.97	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
	Vanadium		25.2	25.0	<b>26</b>	<b>29</b>	<b>130</b>	<b>28</b>	<b>33</b>	<b>31</b>	<b>30</b>
	Zinc		95.0	60.2	57	53	60	63	68	<b>98</b>	66

MSA - Metropolitan Statistical Area

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix A Table G and Table H.

Bolded/Shaded values exceed the within MSA background level.



**TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)**

Client: Environmental Group Services, Ltd.  
 Project: Franklin - EB  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-015    19010622-016    19010622-017  
 Client Sample ID : A-32    A-33    A-34  
 Date Collected : 01/23/2019 09:30    01/23/2019 09:45    01/23/2019 10:00

		Concentration of Chemicals in Background Soils					
Analyte		City of Chicago	Within MSA	Outside MSA			
PNA	Acenaphthene	0.09	0.13	0.04	< 0.040	< 0.040	< 0.040
	Acenaphthylene	0.03	0.07	0.04	< 0.040	< 0.040	< 0.040
	Anthracene	0.25	0.40	0.14	< 0.040	< 0.040	< 0.040
	Benzo(a)anthracene	1.1	1.8	0.72	< 0.040	< 0.040	< 0.040
	Benzo(a)pyrene	1.3	2.1	0.98	< 0.040	< 0.040	< 0.040
	Benzo(b)fluoranthene	1.5	2.1	0.70	< 0.040	< 0.040	< 0.040
	Benzo(g,h,i)perylene	0.68	1.7	0.84	< 0.040	< 0.040	< 0.040
	Benzo(k)fluoranthene	0.99	1.7	0.63	< 0.040	< 0.040	< 0.040
	Chrysene	1.2	2.7	1.1	< 0.040	< 0.040	< 0.040
	Dibenz(a,h)anthracene	0.20	0.42	0.15	< 0.040	< 0.040	< 0.040
	Fluoranthene	2.7	4.1	1.8	< 0.040	< 0.040	< 0.040
	Fluorene	0.10	0.18	0.04	< 0.040	< 0.040	< 0.040
	Indeno(1,2,3-cd)pyrene	0.86	1.6	0.51	< 0.040	< 0.040	< 0.040
	Naphthalene	0.04	0.20	0.17	< 0.040	< 0.040	< 0.040
	Phenanthrene	1.3	2.5	0.99	< 0.040	< 0.040	< 0.040
	Pyrene	1.9	3.0	1.2	< 0.040	< 0.040	< 0.040
INORG	Aluminum		9,500	9,200	<b>15000</b>	<b>16000</b>	<b>14000</b>
	Antimony		4.0	3.3	< 2.0	< 2.3	< 2.3
	Arsenic		13.0	11.3	6.6	10	9.0
	Barium		110	122	63	87	91
	Beryllium		0.59	0.56	<b>0.79</b>	<b>0.86</b>	<b>0.85</b>
	Cadmium		0.6	0.50	< 0.51	< 0.57	< 0.56
	Calcium		9,300	5,525	<b>74000</b>	<b>81000</b>	<b>79000</b>
	Chromium		16.2	13.0	<b>27</b>	<b>31</b>	<b>28</b>
	Cobalt		8.9	8.9	<b>15</b>	<b>20</b>	<b>19</b>
	Copper		19.6	12.0	<b>29</b>	<b>34</b>	<b>32</b>
	Cyanide		0.51	0.50	< 0.31	< 0.31	< 0.31
	Iron		15,900	15,000	<b>28000</b>	<b>29000</b>	<b>27000</b>
	Lead		36.0	20.9	15	17	15
	Magnesium		4,820	2,700	<b>33000</b>	<b>38000</b>	<b>37000</b>
	Manganese		636	630	530	570	550
	Mercury		0.06	0.05	0.024	0.025	0.024
	Nickel		18.0	13.0	<b>42</b>	<b>50</b>	<b>46</b>
	Potassium		1,268	1,100	<b>2600</b>	<b>3900</b>	<b>3700</b>
	Selenium		0.48	0.37	< 1.0	< 1.1	< 1.1
	Silver		0.55	0.50	< 1.0	< 1.1	< 1.1
	Sodium		130	130.0	<b>740</b>	<b>240</b>	<b>250</b>
	Thallium		0.32	0.42	< 1.0	< 1.1	< 1.1
	Vanadium		25.2	25.0	<b>27</b>	<b>31</b>	<b>30</b>
	Zinc		95.0	60.2	64	69	60

MSA - Metropolitan Statistical Area

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix A Table G and Table H.

Bolded/Shaded values exceed the within MSA background level.

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-001 19010622-002 19010622-003  
 Client Sample ID : A-18 A-19 A-20  
 Date Collected : 01/23/2019 06:00 01/23/2019 06:15 01/23/2019 06:30

		Soil Saturation Limits for Chemicals With Melting Point < 30°C				
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route			
		C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)			
CAS No.	Analyte					
VOC	67-64-1 Acetone	100,000	200,000	< 0.070	0.097	0.17
	71-43-2 Benzene	800	580	< 0.0046	< 0.0064	< 0.0052
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0046	< 0.0064	< 0.0052
	75-25-2 Bromoform	2,000	1,200	< 0.0046	< 0.0064	< 0.0052
	74-83-9 Bromomethane	3,100	3,600	< 0.0093	< 0.013	< 0.010
	78-93-3 2-Butanone	25,000	45,000	< 0.070	< 0.097	< 0.078
	75-15-0 Carbon disulfide	850	520	< 0.046	< 0.064	< 0.052
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0046	< 0.0064	< 0.0052
	108-90-7 Chlorobenzene	620	290	< 0.0046	< 0.0064	< 0.0052
	67-66-3 Chloroform	3,400	2,500	< 0.0046	< 0.0064	< 0.0052
	124-48-1 Dibromochloromethane	1,400	890	< 0.0046	< 0.0064	< 0.0052
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0046	< 0.0064	< 0.0052
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0046	< 0.0064	< 0.0052
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0046	< 0.0064	< 0.0052
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0046	< 0.0064	< 0.0052
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0046	< 0.0064	< 0.0052
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0046	< 0.0064	< 0.0052
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0019	< 0.0026	< 0.0021
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0019	< 0.0026	< 0.0021
	100-41-4 Ethylbenzene	350	150	< 0.0046	< 0.0064	< 0.0052
	75-09-2 Methylene chloride	2,500	3,000	< 0.0093	< 0.013	< 0.010
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0046	< 0.0064	< 0.0052
	100-42-5 Styrene	630	260	< 0.0046	< 0.0064	< 0.0052
	127-18-4 Tetrachloroethene	800	310	< 0.0046	< 0.0064	< 0.0052
	108-88-3 Toluene	580	290	< 0.0046	< 0.0064	< 0.0052
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0046	< 0.0064	< 0.0052
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0046	< 0.0064	< 0.0052
	79-01-6 Trichloroethene	1,200	650	< 0.0046	< 0.0064	< 0.0052
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0046	< 0.0064	< 0.0052
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.014	< 0.019	< 0.016
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.20	< 0.22	< 0.22
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.20	< 0.22	< 0.22
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.20	< 0.22	< 0.22
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.20	< 0.22	< 0.22
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.20	< 0.22	< 0.22
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 0.99	< 1.1	< 1.1
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.20	< 0.22	< 0.22
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.20	< 0.22	< 0.22
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.20	< 0.22	< 0.22
	84-66-2 Diethyl phthalate	2,200	920	< 0.20	< 0.22	< 0.22
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.20	< 0.22	< 0.22
	78-59-1 Isophorone	3,000	3,000	< 0.20	< 0.22	< 0.22
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.039	< 0.043	< 0.043
	98-95-3 Nitrobenzene	710	590	< 0.039	< 0.043	< 0.043
INORG	7439-97-6 Mercury	3.1	N/A	< 0.021	0.029	0.027

**TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)**

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-004 19010622-005 19010622-006  
Client Sample ID : A-21 A-22 A-23  
Date Collected : 01/23/2019 06:45 01/23/2019 07:00 01/23/2019 07:15

		Soil Saturation Limits for Chemicals With Melting Point < 30°C				
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route			
		C <sub>int</sub> (mg/Kg)	C <sub>int</sub> (mg/Kg)			
CAS No.	Analyte					
VOC	67-64-1 Acetone	100,000	200,000	0.12	0.10	0.18
	71-43-2 Benzene	800	580	< 0.0058	< 0.0059	< 0.0057
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0058	< 0.0059	< 0.0057
	75-25-2 Bromoform	2,000	1,200	< 0.0058	< 0.0059	< 0.0057
	74-83-9 Bromomethane	3,100	3,600	< 0.012	< 0.012	< 0.011
	78-93-3 2-Butanone	25,000	45,000	< 0.087	< 0.089	< 0.085
	75-15-0 Carbon disulfide	850	520	< 0.058	< 0.059	< 0.057
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0058	< 0.0059	< 0.0057
	108-90-7 Chlorobenzene	620	290	< 0.0058	< 0.0059	< 0.0057
	67-66-3 Chloroform	3,400	2,500	< 0.0058	< 0.0059	< 0.0057
	124-48-1 Dibromochloromethane	1,400	890	< 0.0058	< 0.0059	< 0.0057
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0058	< 0.0059	< 0.0057
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0058	< 0.0059	< 0.0057
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0058	< 0.0059	< 0.0057
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0058	< 0.0059	< 0.0057
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0058	< 0.0059	< 0.0057
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0058	< 0.0059	< 0.0057
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0023	< 0.0024	< 0.0023
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0023	< 0.0024	< 0.0023
	100-41-4 Ethylbenzene	350	150	< 0.0058	< 0.0059	< 0.0057
	75-09-2 Methylene chloride	2,500	3,000	< 0.012	< 0.012	< 0.011
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0058	< 0.0059	< 0.0057
	100-42-5 Styrene	630	260	< 0.0058	< 0.0059	< 0.0057
	127-18-4 Tetrachloroethene	800	310	< 0.0058	< 0.0059	< 0.0057
	108-88-3 Toluene	580	290	< 0.0058	< 0.0059	< 0.0057
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0058	< 0.0059	< 0.0057
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0058	< 0.0059	< 0.0057
	79-01-6 Trichloroethene	1,200	650	< 0.0058	< 0.0059	< 0.0057
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0058	< 0.0059	< 0.0057
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.017	< 0.018	< 0.017
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.21	< 0.22
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.21	< 0.22
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.21	< 0.22
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.21	< 0.22
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.21	< 0.22
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.0	< 1.1
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.21	< 0.22
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.21	< 0.22
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.21	< 0.22
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.21	< 0.22
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.21	< 0.22
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.21	< 0.22
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.041	< 0.041	< 0.043
	98-95-3 Nitrobenzene	710	590	< 0.041	< 0.041	< 0.043
INORG	7439-97-6 Mercury	3.1	N/A	0.024	< 0.022	0.023

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-007 19010622-008 19010622-009

Client Sample ID : A-24 A-25 A-26

Date Collected : 01/23/2019 07:30 01/23/2019 07:45 01/23/2019 08:00

		Soil Saturation Limits for Chemicals With Melting Point < 30°C				
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route			
CAS No.	Analyte	C <sub>int</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)			
VOC	67-64-1 Acetone	100,000	200,000	0.13	< 0.076	< 0.097
	71-43-2 Benzene	800	580	< 0.0054	< 0.0051	< 0.0065
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0054	< 0.0051	< 0.0065
	75-25-2 Bromoform	2,000	1,200	< 0.0054	< 0.0051	< 0.0065
	74-83-9 Bromomethane	3,100	3,600	< 0.011	< 0.010	< 0.013
	78-93-3 2-Butanone	25,000	45,000	< 0.081	< 0.076	< 0.097
	75-15-0 Carbon disulfide	850	520	< 0.054	< 0.051	< 0.065
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0054	< 0.0051	< 0.0065
	108-90-7 Chlorobenzene	620	290	< 0.0054	< 0.0051	< 0.0065
	67-66-3 Chloroform	3,400	2,500	< 0.0054	< 0.0051	< 0.0065
	124-48-1 Dibromochloromethane	1,400	890	< 0.0054	< 0.0051	< 0.0065
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0054	< 0.0051	< 0.0065
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0054	< 0.0051	< 0.0065
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0054	< 0.0051	< 0.0065
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0054	< 0.0051	< 0.0065
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0054	< 0.0051	< 0.0065
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0054	< 0.0051	< 0.0065
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0021	< 0.0020	< 0.0026
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0021	< 0.0020	< 0.0026
	100-41-4 Ethylbenzene	350	150	< 0.0054	< 0.0051	< 0.0065
	75-09-2 Methylene chloride	2,500	3,000	< 0.011	< 0.010	< 0.013
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0054	< 0.0051	< 0.0065
	100-42-5 Styrene	630	260	< 0.0054	< 0.0051	< 0.0065
	127-18-4 Tetrachloroethene	800	310	< 0.0054	< 0.0051	< 0.0065
	108-88-3 Toluene	580	290	< 0.0054	< 0.0051	< 0.0065
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0054	< 0.0051	< 0.0065
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0054	< 0.0051	< 0.0065
	79-01-6 Trichloroethene	1,200	650	< 0.0054	< 0.0051	< 0.0065
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0054	< 0.0051	< 0.0065
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.016	< 0.015	< 0.019
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.19	< 0.20
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.19	< 0.20
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.19	< 0.20
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.19	< 0.20
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.19	< 0.20
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 0.92	< 0.99
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.19	< 0.20
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.19	< 0.20
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.19	< 0.20
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.19	< 0.20
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.19	< 0.20
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.19	< 0.20
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.040	< 0.037	< 0.040
	98-95-3 Nitrobenzene	710	590	< 0.040	< 0.037	< 0.040
INORG	7439-97-6 Mercury	3.1	N/A	0.026	0.025	0.027

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-010 19010622-011 19010622-012  
 Client Sample ID : A-27 A-28 A-29  
 Date Collected : 01/23/2019 08:15 01/23/2019 08:30 01/23/2019 08:45

		Soil Saturation Limits for Chemicals With Melting Point < 30°C				
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route			
CAS No.	Analyte	C <sub>int</sub> (mg/Kg)	C <sub>int</sub> (mg/Kg)			
VOC	67-64-1 Acetone	100,000	200,000	< 0.082	< 0.071	< 0.075
	71-43-2 Benzene	800	580	< 0.0054	< 0.0047	< 0.0050
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0054	< 0.0047	< 0.0050
	75-25-2 Bromoform	2,000	1,200	< 0.0054	< 0.0047	< 0.0050
	74-83-9 Bromomethane	3,100	3,600	< 0.011	< 0.0094	< 0.010
	78-93-3 2-Butanone	25,000	45,000	< 0.082	< 0.071	< 0.075
	75-15-0 Carbon disulfide	850	520	< 0.054	< 0.047	< 0.050
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0054	< 0.0047	< 0.0050
	108-90-7 Chlorobenzene	620	290	< 0.0054	< 0.0047	< 0.0050
	67-66-3 Chloroform	3,400	2,500	< 0.0054	< 0.0047	< 0.0050
	124-48-1 Dibromochloromethane	1,400	890	< 0.0054	< 0.0047	< 0.0050
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0054	< 0.0047	< 0.0050
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0054	< 0.0047	< 0.0050
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0054	< 0.0047	< 0.0050
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0054	< 0.0047	< 0.0050
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0054	< 0.0047	< 0.0050
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0054	< 0.0047	< 0.0050
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0022	< 0.0019	< 0.0020
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0022	< 0.0019	< 0.0020
	100-41-4 Ethylbenzene	350	150	< 0.0054	< 0.0047	< 0.0050
	75-09-2 Methylene chloride	2,500	3,000	< 0.011	< 0.0094	< 0.010
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0054	< 0.0047	< 0.0050
	100-42-5 Styrene	630	260	< 0.0054	< 0.0047	< 0.0050
	127-18-4 Tetrachloroethene	800	310	< 0.0054	< 0.0047	< 0.0050
	108-88-3 Toluene	580	290	< 0.0054	< 0.0047	< 0.0050
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0054	< 0.0047	< 0.0050
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0054	< 0.0047	< 0.0050
	79-01-6 Trichloroethene	1,200	650	< 0.0054	< 0.0047	< 0.0050
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0054	< 0.0047	< 0.0050
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.016	< 0.014	< 0.015
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.20	< 0.20	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.20	< 0.20	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.20	< 0.20	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.20	< 0.20	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.20	< 0.20	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 0.99	< 0.96	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.20	< 0.20	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.20	< 0.20	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.20	< 0.20	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.20	< 0.20	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.20	< 0.20	< 0.21
	78-59-1 Isophorone	3,000	3,000	< 0.20	< 0.20	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.039	< 0.038	< 0.040
	98-95-3 Nitrobenzene	710	590	< 0.039	< 0.038	< 0.040
INORG	7439-97-6 Mercury	3.1	N/A	0.026	0.027	0.029

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-013 19010622-014 19010622-015  
 Client Sample ID : A-30 A-31 A-32  
 Date Collected : 01/23/2019 09:00 01/23/2019 09:15 01/23/2019 09:30

		Soil Saturation Limits for Chemicals With Melting Point < 30°C				
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route			
CAS No.	Analyte	C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)			
VOC	67-64-1 Acetone	100,000	200,000	< 0.088	< 0.096	< 0.078
	71-43-2 Benzene	800	580	< 0.0059	< 0.0064	< 0.0052
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0059	< 0.0064	< 0.0052
	75-25-2 Bromoform	2,000	1,200	< 0.0059	< 0.0064	< 0.0052
	74-83-9 Bromomethane	3,100	3,600	< 0.012	< 0.013	< 0.010
	78-93-3 2-Butanone	25,000	45,000	< 0.088	< 0.096	< 0.078
	75-15-0 Carbon disulfide	850	520	< 0.059	< 0.064	< 0.052
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0059	< 0.0064	< 0.0052
	108-90-7 Chlorobenzene	620	290	< 0.0059	< 0.0064	< 0.0052
	67-66-3 Chloroform	3,400	2,500	< 0.0059	< 0.0064	< 0.0052
	124-48-1 Dibromochloromethane	1,400	890	< 0.0059	< 0.0064	< 0.0052
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0059	< 0.0064	< 0.0052
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0059	< 0.0064	< 0.0052
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0059	< 0.0064	< 0.0052
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0059	< 0.0064	< 0.0052
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0059	< 0.0064	< 0.0052
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0059	< 0.0064	< 0.0052
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0024	< 0.0026	< 0.0021
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0024	< 0.0026	< 0.0021
	100-41-4 Ethylbenzene	350	150	< 0.0059	< 0.0064	< 0.0052
	75-09-2 Methylene chloride	2,500	3,000	< 0.012	< 0.013	< 0.010
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0059	< 0.0064	< 0.0052
	100-42-5 Styrene	630	260	< 0.0059	< 0.0064	< 0.0052
	127-18-4 Tetrachloroethene	800	310	< 0.0059	< 0.0064	< 0.0052
	108-88-3 Toluene	580	290	< 0.0059	< 0.0064	< 0.0052
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0059	< 0.0064	< 0.0052
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0059	< 0.0064	< 0.0052
	79-01-6 Trichloroethene	1,200	650	< 0.0059	< 0.0064	< 0.0052
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0059	< 0.0064	< 0.0052
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.018	< 0.019	< 0.016
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.21	< 0.20
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.21	< 0.20
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.21	< 0.20
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.21	< 0.20
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.21	< 0.20
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.0	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.21	< 0.20
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.21	< 0.20
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.21	< 0.20
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.21	< 0.20
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.21	< 0.20
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.21	< 0.20
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.041	< 0.040	< 0.040
	98-95-3 Nitrobenzene	710	590	< 0.041	< 0.040	< 0.040
INORG	7439-97-6 Mercury	3.1	N/A	0.030	0.022	0.024

**TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)**

Client: Environmental Group Services, Ltd.  
Project: Franklin - EB  
Laboratory: STAT ANALYSIS

Laboratory ID : 19010622-016 19010622-017  
Client Sample ID : A-33 A-34  
Date Collected : 01/23/2019 09:45 01/23/2019 10:00

		Soil Saturation Limits for Chemicals With Melting Point < 30°C			
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route		
CAS No.	Analyte	C <sub>soil</sub> (mg/Kg)	C <sub>soil</sub> (mg/Kg)		
VOC	67-64-1 Acetone	100,000	200,000	< 0.069	< 0.071
	71-43-2 Benzene	800	580	< 0.0046	< 0.0047
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0046	< 0.0047
	75-25-2 Bromoform	2,000	1,200	< 0.0046	< 0.0047
	74-83-9 Bromomethane	3,100	3,600	< 0.0092	< 0.0095
	78-93-3 2-Butanone	25,000	45,000	< 0.069	< 0.071
	75-15-0 Carbon disulfide	850	520	< 0.046	< 0.047
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0046	< 0.0047
	108-90-7 Chlorobenzene	620	290	< 0.0046	< 0.0047
	67-66-3 Chloroform	3,400	2,500	< 0.0046	< 0.0047
	124-48-1 Dibromochloromethane	1,400	890	< 0.0046	< 0.0047
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0046	< 0.0047
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0046	< 0.0047
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0046	< 0.0047
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0046	< 0.0047
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0046	< 0.0047
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0046	< 0.0047
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0018	< 0.0019
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0018	< 0.0019
	100-41-4 Ethylbenzene	350	150	< 0.0046	< 0.0047
	75-09-2 Methylene chloride	2,500	3,000	< 0.0092	< 0.0095
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0046	< 0.0047
	100-42-5 Styrene	630	260	< 0.0046	< 0.0047
	127-18-4 Tetrachloroethene	800	310	< 0.0046	< 0.0047
	108-88-3 Toluene	580	290	< 0.0046	< 0.0047
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0046	< 0.0047
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0046	< 0.0047
	79-01-6 Trichloroethene	1,200	650	< 0.0046	< 0.0047
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0046	< 0.0047
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.014	< 0.014
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.21
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.040	< 0.040
	98-95-3 Nitrobenzene	710	590	< 0.040	< 0.040
	7439-97-6 Mercury	3.1	N/A	0.025	0.024
INORG					

**TACO Tier I Soil Remediation Objectives - Residential Exceedance Report**

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
PNA	Naphthalene	A-18	0.41	0.20 0.17 0.04	Within MSA Background Outside MSA Background City of Chicago Background
SVOC	2-Methylnaphthalene	A-18	0.29	0.14	Within MSA Background
INORG	Aluminum	A-18	13000	9,500	Within MSA Background
		A-19	15000	9,200	Outside MSA Background
		A-20	14000		
		A-21	13000		
		A-22	18000		
		A-23	19000		
		A-24	17000		
		A-25	13000		
		A-26	12000		
		A-27	15000		
		A-28	14000		
		A-29	16000		
		A-30	14000		
		A-31	16000		
		A-32	15000		
		A-33	16000		
		A-34	14000		
INORG	Arsenic	A-25	13	11.3	Outside MSA Background
		A-26	13		
INORG	Barium	A-24	120	110	Within MSA Background
INORG	Beryllium	A-18	0.70	0.59	Within MSA Background
		A-19	0.80	0.56	Outside MSA Background
		A-20	0.82		
		A-21	0.70		
		A-22	1.0		
		A-23	1.1		
		A-24	0.98		
		A-25	0.76		
		A-26	0.76		
		A-27	0.86		
		A-28	0.83		
		A-29	0.88		
		A-30	0.95		
		A-31	0.90		
		A-32	0.79		
		A-33	0.86		
		A-34	0.85		



**TACO Tier I Soil Remediation Objectives - Residential Exceedance Report**

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Calcium	A-18	77000	9,300	Within MSA Background Outside MSA Background
		A-19	52000	5,525	
		A-20	47000		
		A-21	70000		
		A-22	76000		
		A-23	66000		
		A-24	80000		
		A-25	70000		
		A-26	58000		
		A-27	71000		
		A-28	76000		
		A-29	97000		
		A-30	54000		
		A-31	73000		
		A-32	74000		
		A-33	81000		
		A-34	79000		
INORG	Chromium	A-18	24	28	pH Specific SCGIR Class I Within MSA Background Outside MSA Background
		A-19	28	16.2	
		A-20	28	13.0	
		A-21	26		
		A-22	35		
		A-23	38		
		A-24	33		
		A-25	26		
		A-26	23		
		A-27	30		
		A-28	34		
		A-29	31		
		A-30	27		
		A-31	29		
		A-32	27		
		A-33	31		
		A-34	28		
INORG	Cobalt	A-18	11	8.9	Within MSA Background Outside MSA Background
		A-19	17	8.9	
		A-20	15		
		A-21	19		
		A-22	21		
		A-23	27		
		A-24	18		
		A-25	17		
		A-26	9.4		
		A-27	16		
		A-28	14		
		A-29	21		
		A-30	18		
		A-31	19		
		A-32	15		
		A-33	20		
		A-34	19		
		A-18	30	19.6	Within MSA Background Outside MSA Background
		A-19	26	12.0	
		A-20	24		
		A-21	30		
		A-22	39		
		A-23	32		
		A-24	37		

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Copper	A-25	33		
		A-26	45		
		A-27	32		
		A-28	30		
		A-29	39		
		A-30	54		
		A-31	33		
		A-32	29		
		A-33	34		
		A-34	32		

**TACO Tier I Soil Remediation Objectives - Residential Exceedance Report**

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Iron	A-18	24000	15,900	Within MSA Background Outside MSA Background
		A-19	26000	15,000	
		A-20	25000		
		A-21	25000		
		A-22	33000		
		A-23	34000		
		A-24	35000		
		A-25	27000		
		A-26	30000		
		A-27	28000		
		A-28	32000		
		A-29	32000		
		A-30	39000		
		A-31	31000		
		A-32	28000		
		A-33	29000		
		A-34	27000		
INORG	Lead	A-26	24	20.9	Outside MSA Background
		A-30	26		
INORG	Magnesium	A-18	38000	4,820	Within MSA Background Outside MSA Background
		A-19	25000	2,700	
		A-20	22000		
		A-21	34000		
		A-22	37000		
		A-23	31000		
		A-24	39000		
		A-25	35000		
		A-26	29000		
		A-27	35000		
		A-28	37000		
		A-29	45000		
		A-30	27000		
		A-31	35000		
		A-32	33000		
		A-33	38000		
		A-34	37000		
INORG	Manganese	A-24	640	636	Within MSA Background
		A-29	670	630	Outside MSA Background
INORG	Nickel	A-18	33	18.0	Within MSA Background Outside MSA Background
		A-19	47	13.0	
		A-20	43		
		A-21	45		
		A-22	56		
		A-23	70		
		A-24	50		
		A-25	44		
		A-26	34		
		A-27	44		
		A-28	44		
		A-29	54		
		A-30	57		
		A-31	49		
		A-32	42		
		A-33	50		
		A-34	46		

**TACO Tier I Soil Remediation Objectives - Residential Exceedance Report**

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Potassium	A-18	2900	1,268	Within MSA Background Outside MSA Background
		A-19	3400	1,100	
		A-20	3300		
		A-21	3100		
		A-22	4700		
		A-23	4900		
		A-24	4000		
		A-25	3300		
		A-26	2700		
		A-27	3900		
		A-28	3200		
		A-29	3800		
		A-30	3000		
		A-31	3700		
		A-32	2600		
		A-33	3900		
		A-34	3700		
INORG	Selenium	A-23	1.5	0.48	Within MSA Background Outside MSA Background
		A-29	1.2	0.37	
		A-30	1.9		
INORG	Sodium	A-18	180	130	Within MSA Background Outside MSA Background
		A-19	150	130.0	
		A-20	140		
		A-21	150		
		A-22	200		
		A-23	200		
		A-24	190		
		A-25	230		
		A-26	200		
		A-27	360		
		A-28	350		
		A-29	240		
		A-30	680		
		A-31	350		
		A-32	740		
		A-33	240		
		A-34	250		
INORG	Vanadium	A-18	29	25.2	Within MSA Background Outside MSA Background
		A-19	27	25.0	
		A-20	27		
		A-21	26		
		A-22	36		
		A-23	37		
		A-24	32		
		A-25	26		
		A-26	29		
		A-27	30		
		A-28	28		
		A-29	33		
		A-30	31		
		A-31	30		
		A-32	27		
		A-33	31		
		A-34	30		

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Zinc	A-22	69	95.0	Within MSA Background Outside MSA Background
		A-23	74	60.2	
		A-24	69		
		A-28	63		
		A-29	68		
		A-30	98		
		A-31	66		
		A-32	64		
		A-33	69		
TCLP	Lead	A-18	0.014 *	0.0075	SCGIR Class I
		A-20	0.0089 *		
		A-22	0.0077 *		
		A-24	0.014 *		
		A-25	0.013 *		
		A-29	0.0095 *		
		A-33	0.0087 *		
TCLP	Manganese	A-18	5.0 *	0.15	SCGIR Class I
		A-19	4.5 *		
		A-20	4.7 *		
		A-21	4.3 *		
		A-22	6.5 *		
		A-23	2.1 *		
		A-24	6.7 *		
		A-25	6.3 *		
		A-26	0.90 *		
		A-27	4.7 *		
		A-28	3.5 *		
		A-29	5.2 *		
		A-30	4.8 *		
		A-31	2.7 *		
		A-32	5.9 *		
		A-33	5.2 *		
		A-34	2.6 *		
TCLP	Nickel	A-20	0.16 *	0.1	SCGIR Class I
		A-21	0.15 *		
		A-25	0.17 *		
		A-29	0.12 *		
		A-33	0.17 *		
		A-34	0.13 *		

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
TCLP	Lead	A-18	0.014 *	0.0075	SCGIR Class I
TCLP	Manganese	A-18	5.0 *	0.15	SCGIR Class I
TCLP	Manganese	A-19	4.5 *	0.15	SCGIR Class I
TCLP	Lead	A-20	0.0089 *	0.0075	SCGIR Class I
TCLP	Manganese	A-20	4.7 *	0.15	SCGIR Class I
TCLP	Nickel	A-20	0.16 *	0.1	SCGIR Class I
TCLP	Manganese	A-21	4.3 *	0.15	SCGIR Class I
TCLP	Nickel	A-21	0.15 *	0.1	SCGIR Class I
TCLP	Lead	A-22	0.0077 *	0.0075	SCGIR Class I
TCLP	Manganese	A-22	6.5 *	0.15	SCGIR Class I
TCLP	Manganese	A-23	2.1 *	0.15	SCGIR Class I
TCLP	Lead	A-24	0.014 *	0.0075	SCGIR Class I
TCLP	Manganese	A-24	6.7 *	0.15	SCGIR Class I
TCLP	Lead	A-25	0.013 *	0.0075	SCGIR Class I
TCLP	Manganese	A-25	6.3 *	0.15	SCGIR Class I
TCLP	Nickel	A-25	0.17 *	0.1	SCGIR Class I
TCLP	Manganese	A-26	0.90 *	0.15	SCGIR Class I
TCLP	Manganese	A-27	4.7 *	0.15	SCGIR Class I
TCLP	Manganese	A-28	3.5 *	0.15	SCGIR Class I
TCLP	Lead	A-29	0.0095 *	0.0075	SCGIR Class I
TCLP	Manganese	A-29	5.2 *	0.15	SCGIR Class I
TCLP	Nickel	A-29	0.12 *	0.1	SCGIR Class I
TCLP	Manganese	A-30	4.8 *	0.15	SCGIR Class I
TCLP	Manganese	A-31	2.7 *	0.15	SCGIR Class I
TCLP	Manganese	A-32	5.9 *	0.15	SCGIR Class I
TCLP	Lead	A-33	0.0087 *	0.0075	SCGIR Class I
TCLP	Manganese	A-33	5.2 *	0.15	SCGIR Class I
TCLP	Nickel	A-33	0.17 *	0.1	SCGIR Class I
TCLP	Manganese	A-34	2.6 *	0.15	SCGIR Class I
TCLP	Nickel	A-34	0.13 *	0.1	SCGIR Class I
INORG	Chromium	A-22	35	28	pH Specific SCGIR Class I
INORG	Chromium	A-23	38	28	pH Specific SCGIR Class I
INORG	Chromium	A-24	33	28	pH Specific SCGIR Class I
INORG	Chromium	A-28	34	28	pH Specific SCGIR Class I
INORG	Chromium	A-29	31	28	pH Specific SCGIR Class I
INORG	Chromium	A-31	29	28	pH Specific SCGIR Class I
INORG	Chromium	A-33	31	28	pH Specific SCGIR Class I
INORG	Aluminum	A-18	13000	9,500	Within MSA Background
INORG	Beryllium	A-18	0.70	0.59	Within MSA Background
INORG	Calcium	A-18	77000	9,300	Within MSA Background
INORG	Chromium	A-18	24	16.2	Within MSA Background
INORG	Cobalt	A-18	11	8.9	Within MSA Background
INORG	Copper	A-18	30	19.6	Within MSA Background
INORG	Iron	A-18	24000	15,900	Within MSA Background
INORG	Magnesium	A-18	38000	4,820	Within MSA Background
INORG	Nickel	A-18	33	18.0	Within MSA Background
INORG	Potassium	A-18	2900	1,268	Within MSA Background
INORG	Sodium	A-18	180	130	Within MSA Background
INORG	Vanadium	A-18	29	25.2	Within MSA Background
INORG	Aluminum	A-19	15000	9,500	Within MSA Background
INORG	Beryllium	A-19	0.80	0.59	Within MSA Background
INORG	Calcium	A-19	52000	9,300	Within MSA Background
INORG	Chromium	A-19	28	16.2	Within MSA Background
INORG	Cobalt	A-19	17	8.9	Within MSA Background
INORG	Copper	A-19	26	19.6	Within MSA Background
INORG	Iron	A-19	26000	15,900	Within MSA Background
INORG	Magnesium	A-19	25000	4,820	Within MSA Background
INORG	Nickel	A-19	47	18.0	Within MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Potassium	A-19	3400	1,268	Within MSA Background
INORG	Sodium	A-19	150	130	Within MSA Background
INORG	Vanadium	A-19	27	25.2	Within MSA Background
INORG	Aluminum	A-20	14000	9,500	Within MSA Background
INORG	Beryllium	A-20	0.82	0.59	Within MSA Background
INORG	Calcium	A-20	47000	9,300	Within MSA Background
INORG	Chromium	A-20	28	16.2	Within MSA Background
INORG	Cobalt	A-20	15	8.9	Within MSA Background
INORG	Copper	A-20	24	19.6	Within MSA Background
INORG	Iron	A-20	25000	15,900	Within MSA Background
INORG	Magnesium	A-20	22000	4,820	Within MSA Background
INORG	Nickel	A-20	43	18.0	Within MSA Background
INORG	Potassium	A-20	3300	1,268	Within MSA Background
INORG	Sodium	A-20	140	130	Within MSA Background
INORG	Vanadium	A-20	27	25.2	Within MSA Background
INORG	Aluminum	A-21	13000	9,500	Within MSA Background
INORG	Beryllium	A-21	0.70	0.59	Within MSA Background
INORG	Calcium	A-21	70000	9,300	Within MSA Background
INORG	Chromium	A-21	26	16.2	Within MSA Background
INORG	Cobalt	A-21	19	8.9	Within MSA Background
INORG	Copper	A-21	30	19.6	Within MSA Background
INORG	Iron	A-21	25000	15,900	Within MSA Background
INORG	Magnesium	A-21	34000	4,820	Within MSA Background
INORG	Nickel	A-21	45	18.0	Within MSA Background
INORG	Potassium	A-21	3100	1,268	Within MSA Background
INORG	Sodium	A-21	150	130	Within MSA Background
INORG	Vanadium	A-21	26	25.2	Within MSA Background
INORG	Aluminum	A-22	18000	9,500	Within MSA Background
INORG	Beryllium	A-22	1.0	0.59	Within MSA Background
INORG	Calcium	A-22	76000	9,300	Within MSA Background
INORG	Chromium	A-22	35	16.2	Within MSA Background
INORG	Cobalt	A-22	21	8.9	Within MSA Background
INORG	Copper	A-22	39	19.6	Within MSA Background
INORG	Iron	A-22	33000	15,900	Within MSA Background
INORG	Magnesium	A-22	37000	4,820	Within MSA Background
INORG	Nickel	A-22	56	18.0	Within MSA Background
INORG	Potassium	A-22	4700	1,268	Within MSA Background
INORG	Sodium	A-22	200	130	Within MSA Background
INORG	Vanadium	A-22	36	25.2	Within MSA Background
INORG	Aluminum	A-23	19000	9,500	Within MSA Background
INORG	Beryllium	A-23	1.1	0.59	Within MSA Background
INORG	Calcium	A-23	66000	9,300	Within MSA Background
INORG	Chromium	A-23	38	16.2	Within MSA Background
INORG	Cobalt	A-23	27	8.9	Within MSA Background
INORG	Copper	A-23	32	19.6	Within MSA Background
INORG	Iron	A-23	34000	15,900	Within MSA Background
INORG	Magnesium	A-23	31000	4,820	Within MSA Background
INORG	Nickel	A-23	70	18.0	Within MSA Background
INORG	Potassium	A-23	4900	1,268	Within MSA Background
INORG	Selenium	A-23	1.5	0.48	Within MSA Background
INORG	Sodium	A-23	200	130	Within MSA Background
INORG	Vanadium	A-23	37	25.2	Within MSA Background
INORG	Aluminum	A-24	17000	9,500	Within MSA Background
INORG	Barium	A-24	120	110	Within MSA Background
INORG	Beryllium	A-24	0.98	0.59	Within MSA Background
INORG	Calcium	A-24	80000	9,300	Within MSA Background
INORG	Chromium	A-24	33	16.2	Within MSA Background
INORG	Cobalt	A-24	18	8.9	Within MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Copper	A-24	37	19.6	Within MSA Background
INORG	Iron	A-24	35000	15,900	Within MSA Background
INORG	Magnesium	A-24	39000	4,820	Within MSA Background
INORG	Manganese	A-24	640	636	Within MSA Background
INORG	Nickel	A-24	50	18.0	Within MSA Background
INORG	Potassium	A-24	4000	1,268	Within MSA Background
INORG	Sodium	A-24	190	130	Within MSA Background
INORG	Vanadium	A-24	32	25.2	Within MSA Background
INORG	Aluminum	A-25	13000	9,500	Within MSA Background
INORG	Beryllium	A-25	0.76	0.59	Within MSA Background
INORG	Calcium	A-25	70000	9,300	Within MSA Background
INORG	Chromium	A-25	26	16.2	Within MSA Background
INORG	Cobalt	A-25	17	8.9	Within MSA Background
INORG	Copper	A-25	33	19.6	Within MSA Background
INORG	Iron	A-25	27000	15,900	Within MSA Background
INORG	Magnesium	A-25	35000	4,820	Within MSA Background
INORG	Nickel	A-25	44	18.0	Within MSA Background
INORG	Potassium	A-25	3300	1,268	Within MSA Background
INORG	Sodium	A-25	230	130	Within MSA Background
INORG	Vanadium	A-25	26	25.2	Within MSA Background
INORG	Aluminum	A-26	12000	9,500	Within MSA Background
INORG	Beryllium	A-26	0.76	0.59	Within MSA Background
INORG	Calcium	A-26	58000	9,300	Within MSA Background
INORG	Chromium	A-26	23	16.2	Within MSA Background
INORG	Cobalt	A-26	9.4	8.9	Within MSA Background
INORG	Copper	A-26	45	19.6	Within MSA Background
INORG	Iron	A-26	30000	15,900	Within MSA Background
INORG	Magnesium	A-26	29000	4,820	Within MSA Background
INORG	Nickel	A-26	34	18.0	Within MSA Background
INORG	Potassium	A-26	2700	1,268	Within MSA Background
INORG	Sodium	A-26	200	130	Within MSA Background
INORG	Vanadium	A-26	29	25.2	Within MSA Background
INORG	Aluminum	A-27	15000	9,500	Within MSA Background
INORG	Beryllium	A-27	0.86	0.59	Within MSA Background
INORG	Calcium	A-27	71000	9,300	Within MSA Background
INORG	Chromium	A-27	30	16.2	Within MSA Background
INORG	Cobalt	A-27	16	8.9	Within MSA Background
INORG	Copper	A-27	32	19.6	Within MSA Background
INORG	Iron	A-27	28000	15,900	Within MSA Background
INORG	Magnesium	A-27	35000	4,820	Within MSA Background
INORG	Nickel	A-27	44	18.0	Within MSA Background
INORG	Potassium	A-27	3900	1,268	Within MSA Background
INORG	Sodium	A-27	360	130	Within MSA Background
INORG	Vanadium	A-27	30	25.2	Within MSA Background
INORG	Aluminum	A-28	14000	9,500	Within MSA Background
INORG	Beryllium	A-28	0.83	0.59	Within MSA Background
INORG	Calcium	A-28	76000	9,300	Within MSA Background
INORG	Chromium	A-28	34	16.2	Within MSA Background
INORG	Cobalt	A-28	14	8.9	Within MSA Background
INORG	Copper	A-28	30	19.6	Within MSA Background
INORG	Iron	A-28	32000	15,900	Within MSA Background
INORG	Magnesium	A-28	37000	4,820	Within MSA Background
INORG	Nickel	A-28	44	18.0	Within MSA Background
INORG	Potassium	A-28	3200	1,268	Within MSA Background
INORG	Sodium	A-28	350	130	Within MSA Background
INORG	Vanadium	A-28	28	25.2	Within MSA Background
INORG	Aluminum	A-29	16000	9,500	Within MSA Background
INORG	Beryllium	A-29	0.88	0.59	Within MSA Background

\* - result and RO units are mg/L



# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Calcium	A-29	97000	9,300	Within MSA Background
INORG	Chromium	A-29	31	16.2	Within MSA Background
INORG	Cobalt	A-29	21	8.9	Within MSA Background
INORG	Copper	A-29	39	19.6	Within MSA Background
INORG	Iron	A-29	32000	15,900	Within MSA Background
INORG	Magnesium	A-29	45000	4,820	Within MSA Background
INORG	Manganese	A-29	670	636	Within MSA Background
INORG	Nickel	A-29	54	18.0	Within MSA Background
INORG	Potassium	A-29	3800	1,268	Within MSA Background
INORG	Selenium	A-29	1.2	0.48	Within MSA Background
INORG	Sodium	A-29	240	130	Within MSA Background
INORG	Vanadium	A-29	33	25.2	Within MSA Background
INORG	Aluminum	A-30	14000	9,500	Within MSA Background
INORG	Beryllium	A-30	0.95	0.59	Within MSA Background
INORG	Calcium	A-30	54000	9,300	Within MSA Background
INORG	Chromium	A-30	27	16.2	Within MSA Background
INORG	Cobalt	A-30	18	8.9	Within MSA Background
INORG	Copper	A-30	54	19.6	Within MSA Background
INORG	Iron	A-30	39000	15,900	Within MSA Background
INORG	Magnesium	A-30	27000	4,820	Within MSA Background
INORG	Nickel	A-30	57	18.0	Within MSA Background
INORG	Potassium	A-30	3000	1,268	Within MSA Background
INORG	Selenium	A-30	1.9	0.48	Within MSA Background
INORG	Sodium	A-30	680	130	Within MSA Background
INORG	Vanadium	A-30	31	25.2	Within MSA Background
INORG	Zinc	A-30	98	95.0	Within MSA Background
INORG	Aluminum	A-31	16000	9,500	Within MSA Background
INORG	Beryllium	A-31	0.90	0.59	Within MSA Background
INORG	Calcium	A-31	73000	9,300	Within MSA Background
INORG	Chromium	A-31	29	16.2	Within MSA Background
INORG	Cobalt	A-31	19	8.9	Within MSA Background
INORG	Copper	A-31	33	19.6	Within MSA Background
INORG	Iron	A-31	31000	15,900	Within MSA Background
INORG	Magnesium	A-31	35000	4,820	Within MSA Background
INORG	Nickel	A-31	49	18.0	Within MSA Background
INORG	Potassium	A-31	3700	1,268	Within MSA Background
INORG	Sodium	A-31	350	130	Within MSA Background
INORG	Vanadium	A-31	30	25.2	Within MSA Background
INORG	Aluminum	A-32	15000	9,500	Within MSA Background
INORG	Beryllium	A-32	0.79	0.59	Within MSA Background
INORG	Calcium	A-32	74000	9,300	Within MSA Background
INORG	Chromium	A-32	27	16.2	Within MSA Background
INORG	Cobalt	A-32	15	8.9	Within MSA Background
INORG	Copper	A-32	29	19.6	Within MSA Background
INORG	Iron	A-32	28000	15,900	Within MSA Background
INORG	Magnesium	A-32	33000	4,820	Within MSA Background
INORG	Nickel	A-32	42	18.0	Within MSA Background
INORG	Potassium	A-32	2600	1,268	Within MSA Background
INORG	Sodium	A-32	740	130	Within MSA Background
INORG	Vanadium	A-32	27	25.2	Within MSA Background
INORG	Aluminum	A-33	16000	9,500	Within MSA Background
INORG	Beryllium	A-33	0.86	0.59	Within MSA Background
INORG	Calcium	A-33	81000	9,300	Within MSA Background
INORG	Chromium	A-33	31	16.2	Within MSA Background
INORG	Cobalt	A-33	20	8.9	Within MSA Background
INORG	Copper	A-33	34	19.6	Within MSA Background
INORG	Iron	A-33	29000	15,900	Within MSA Background
INORG	Magnesium	A-33	38000	4,820	Within MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Nickel	A-33	50	18.0	Within MSA Background
INORG	Potassium	A-33	3900	1,268	Within MSA Background
INORG	Sodium	A-33	240	130	Within MSA Background
INORG	Vanadium	A-33	31	25.2	Within MSA Background
INORG	Aluminum	A-34	14000	9,500	Within MSA Background
INORG	Beryllium	A-34	0.85	0.59	Within MSA Background
INORG	Calcium	A-34	79000	9,300	Within MSA Background
INORG	Chromium	A-34	28	16.2	Within MSA Background
INORG	Cobalt	A-34	19	8.9	Within MSA Background
INORG	Copper	A-34	32	19.6	Within MSA Background
INORG	Iron	A-34	27000	15,900	Within MSA Background
INORG	Magnesium	A-34	37000	4,820	Within MSA Background
INORG	Nickel	A-34	46	18.0	Within MSA Background
INORG	Potassium	A-34	3700	1,268	Within MSA Background
INORG	Sodium	A-34	250	130	Within MSA Background
INORG	Vanadium	A-34	30	25.2	Within MSA Background
PNA	Naphthalene	A-18	0.41	0.20	Within MSA Background
SVOC	2-Methylnaphthalene	A-18	0.29	0.14	Within MSA Background
INORG	Aluminum	A-18	13000	9,200	Outside MSA Background
INORG	Beryllium	A-18	0.70	0.56	Outside MSA Background
INORG	Calcium	A-18	77000	5,525	Outside MSA Background
INORG	Chromium	A-18	24	13.0	Outside MSA Background
INORG	Cobalt	A-18	11	8.9	Outside MSA Background
INORG	Copper	A-18	30	12.0	Outside MSA Background
INORG	Iron	A-18	24000	15,000	Outside MSA Background
INORG	Magnesium	A-18	38000	2,700	Outside MSA Background
INORG	Nickel	A-18	33	13.0	Outside MSA Background
INORG	Potassium	A-18	2900	1,100	Outside MSA Background
INORG	Sodium	A-18	180	130.0	Outside MSA Background
INORG	Vanadium	A-18	29	25.0	Outside MSA Background
INORG	Aluminum	A-19	15000	9,200	Outside MSA Background
INORG	Beryllium	A-19	0.80	0.56	Outside MSA Background
INORG	Calcium	A-19	52000	5,525	Outside MSA Background
INORG	Chromium	A-19	28	13.0	Outside MSA Background
INORG	Cobalt	A-19	17	8.9	Outside MSA Background
INORG	Copper	A-19	26	12.0	Outside MSA Background
INORG	Iron	A-19	26000	15,000	Outside MSA Background
INORG	Magnesium	A-19	25000	2,700	Outside MSA Background
INORG	Nickel	A-19	47	13.0	Outside MSA Background
INORG	Potassium	A-19	3400	1,100	Outside MSA Background
INORG	Sodium	A-19	150	130.0	Outside MSA Background
INORG	Vanadium	A-19	27	25.0	Outside MSA Background
INORG	Aluminum	A-20	14000	9,200	Outside MSA Background
INORG	Beryllium	A-20	0.82	0.56	Outside MSA Background
INORG	Calcium	A-20	47000	5,525	Outside MSA Background
INORG	Chromium	A-20	28	13.0	Outside MSA Background
INORG	Cobalt	A-20	15	8.9	Outside MSA Background
INORG	Copper	A-20	24	12.0	Outside MSA Background
INORG	Iron	A-20	25000	15,000	Outside MSA Background
INORG	Magnesium	A-20	22000	2,700	Outside MSA Background
INORG	Nickel	A-20	43	13.0	Outside MSA Background
INORG	Potassium	A-20	3300	1,100	Outside MSA Background
INORG	Sodium	A-20	140	130.0	Outside MSA Background
INORG	Vanadium	A-20	27	25.0	Outside MSA Background
INORG	Aluminum	A-21	13000	9,200	Outside MSA Background
INORG	Beryllium	A-21	0.70	0.56	Outside MSA Background
INORG	Calcium	A-21	70000	5,525	Outside MSA Background
INORG	Chromium	A-21	26	13.0	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier I RO (mg/Kg)	Exposure Pathway
INORG	Cobalt	A-21	19	8.9	Outside MSA Background
INORG	Copper	A-21	30	12.0	Outside MSA Background
INORG	Iron	A-21	25000	15,000	Outside MSA Background
INORG	Magnesium	A-21	34000	2,700	Outside MSA Background
INORG	Nickel	A-21	45	13.0	Outside MSA Background
INORG	Potassium	A-21	3100	1,100	Outside MSA Background
INORG	Sodium	A-21	150	130.0	Outside MSA Background
INORG	Vanadium	A-21	26	25.0	Outside MSA Background
INORG	Aluminum	A-22	18000	9,200	Outside MSA Background
INORG	Beryllium	A-22	1.0	0.56	Outside MSA Background
INORG	Calcium	A-22	76000	5,525	Outside MSA Background
INORG	Chromium	A-22	35	13.0	Outside MSA Background
INORG	Cobalt	A-22	21	8.9	Outside MSA Background
INORG	Copper	A-22	39	12.0	Outside MSA Background
INORG	Iron	A-22	33000	15,000	Outside MSA Background
INORG	Magnesium	A-22	37000	2,700	Outside MSA Background
INORG	Nickel	A-22	56	13.0	Outside MSA Background
INORG	Potassium	A-22	4700	1,100	Outside MSA Background
INORG	Sodium	A-22	200	130.0	Outside MSA Background
INORG	Vanadium	A-22	36	25.0	Outside MSA Background
INORG	Zinc	A-22	69	60.2	Outside MSA Background
INORG	Aluminum	A-23	19000	9,200	Outside MSA Background
INORG	Beryllium	A-23	1.1	0.56	Outside MSA Background
INORG	Calcium	A-23	66000	5,525	Outside MSA Background
INORG	Chromium	A-23	38	13.0	Outside MSA Background
INORG	Cobalt	A-23	27	8.9	Outside MSA Background
INORG	Copper	A-23	32	12.0	Outside MSA Background
INORG	Iron	A-23	34000	15,000	Outside MSA Background
INORG	Magnesium	A-23	31000	2,700	Outside MSA Background
INORG	Nickel	A-23	70	13.0	Outside MSA Background
INORG	Potassium	A-23	4900	1,100	Outside MSA Background
INORG	Selenium	A-23	1.5	0.37	Outside MSA Background
INORG	Sodium	A-23	200	130.0	Outside MSA Background
INORG	Vanadium	A-23	37	25.0	Outside MSA Background
INORG	Zinc	A-23	74	60.2	Outside MSA Background
INORG	Aluminum	A-24	17000	9,200	Outside MSA Background
INORG	Beryllium	A-24	0.98	0.56	Outside MSA Background
INORG	Calcium	A-24	80000	5,525	Outside MSA Background
INORG	Chromium	A-24	33	13.0	Outside MSA Background
INORG	Cobalt	A-24	18	8.9	Outside MSA Background
INORG	Copper	A-24	37	12.0	Outside MSA Background
INORG	Iron	A-24	35000	15,000	Outside MSA Background
INORG	Magnesium	A-24	39000	2,700	Outside MSA Background
INORG	Manganese	A-24	640	630	Outside MSA Background
INORG	Nickel	A-24	50	13.0	Outside MSA Background
INORG	Potassium	A-24	4000	1,100	Outside MSA Background
INORG	Sodium	A-24	190	130.0	Outside MSA Background
INORG	Vanadium	A-24	32	25.0	Outside MSA Background
INORG	Zinc	A-24	69	60.2	Outside MSA Background
INORG	Aluminum	A-25	13000	9,200	Outside MSA Background
INORG	Arsenic	A-25	13	11.3	Outside MSA Background
INORG	Beryllium	A-25	0.76	0.56	Outside MSA Background
INORG	Calcium	A-25	70000	5,525	Outside MSA Background
INORG	Chromium	A-25	26	13.0	Outside MSA Background
INORG	Cobalt	A-25	17	8.9	Outside MSA Background
INORG	Copper	A-25	33	12.0	Outside MSA Background
INORG	Iron	A-25	27000	15,000	Outside MSA Background
INORG	Magnesium	A-25	35000	2,700	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Nickel	A-25	44	13.0	Outside MSA Background
INORG	Potassium	A-25	3300	1,100	Outside MSA Background
INORG	Sodium	A-25	230	130.0	Outside MSA Background
INORG	Vanadium	A-25	26	25.0	Outside MSA Background
INORG	Aluminum	A-26	12000	9,200	Outside MSA Background
INORG	Arsenic	A-26	13	11.3	Outside MSA Background
INORG	Beryllium	A-26	0.76	0.56	Outside MSA Background
INORG	Calcium	A-26	58000	5,525	Outside MSA Background
INORG	Chromium	A-26	23	13.0	Outside MSA Background
INORG	Cobalt	A-26	9.4	8.9	Outside MSA Background
INORG	Copper	A-26	45	12.0	Outside MSA Background
INORG	Iron	A-26	30000	15,000	Outside MSA Background
INORG	Lead	A-26	24	20.9	Outside MSA Background
INORG	Magnesium	A-26	29000	2,700	Outside MSA Background
INORG	Nickel	A-26	34	13.0	Outside MSA Background
INORG	Potassium	A-26	2700	1,100	Outside MSA Background
INORG	Sodium	A-26	200	130.0	Outside MSA Background
INORG	Vanadium	A-26	29	25.0	Outside MSA Background
INORG	Aluminum	A-27	15000	9,200	Outside MSA Background
INORG	Beryllium	A-27	0.86	0.56	Outside MSA Background
INORG	Calcium	A-27	71000	5,525	Outside MSA Background
INORG	Chromium	A-27	30	13.0	Outside MSA Background
INORG	Cobalt	A-27	16	8.9	Outside MSA Background
INORG	Copper	A-27	32	12.0	Outside MSA Background
INORG	Iron	A-27	28000	15,000	Outside MSA Background
INORG	Magnesium	A-27	35000	2,700	Outside MSA Background
INORG	Nickel	A-27	44	13.0	Outside MSA Background
INORG	Potassium	A-27	3900	1,100	Outside MSA Background
INORG	Sodium	A-27	360	130.0	Outside MSA Background
INORG	Vanadium	A-27	30	25.0	Outside MSA Background
INORG	Aluminum	A-28	14000	9,200	Outside MSA Background
INORG	Beryllium	A-28	0.83	0.56	Outside MSA Background
INORG	Calcium	A-28	76000	5,525	Outside MSA Background
INORG	Chromium	A-28	34	13.0	Outside MSA Background
INORG	Cobalt	A-28	14	8.9	Outside MSA Background
INORG	Copper	A-28	30	12.0	Outside MSA Background
INORG	Iron	A-28	32000	15,000	Outside MSA Background
INORG	Magnesium	A-28	37000	2,700	Outside MSA Background
INORG	Nickel	A-28	44	13.0	Outside MSA Background
INORG	Potassium	A-28	3200	1,100	Outside MSA Background
INORG	Sodium	A-28	350	130.0	Outside MSA Background
INORG	Vanadium	A-28	28	25.0	Outside MSA Background
INORG	Zinc	A-28	63	60.2	Outside MSA Background
INORG	Aluminum	A-29	16000	9,200	Outside MSA Background
INORG	Beryllium	A-29	0.88	0.56	Outside MSA Background
INORG	Calcium	A-29	97000	5,525	Outside MSA Background
INORG	Chromium	A-29	31	13.0	Outside MSA Background
INORG	Cobalt	A-29	21	8.9	Outside MSA Background
INORG	Copper	A-29	39	12.0	Outside MSA Background
INORG	Iron	A-29	32000	15,000	Outside MSA Background
INORG	Magnesium	A-29	45000	2,700	Outside MSA Background
INORG	Manganese	A-29	670	630	Outside MSA Background
INORG	Nickel	A-29	54	13.0	Outside MSA Background
INORG	Potassium	A-29	3800	1,100	Outside MSA Background
INORG	Selenium	A-29	1.2	0.37	Outside MSA Background
INORG	Sodium	A-29	240	130.0	Outside MSA Background
INORG	Vanadium	A-29	33	25.0	Outside MSA Background
INORG	Zinc	A-29	68	60.2	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Aluminum	A-30	14000	9,200	Outside MSA Background
INORG	Beryllium	A-30	0.95	0.56	Outside MSA Background
INORG	Calcium	A-30	54000	5,525	Outside MSA Background
INORG	Chromium	A-30	27	13.0	Outside MSA Background
INORG	Cobalt	A-30	18	8.9	Outside MSA Background
INORG	Copper	A-30	54	12.0	Outside MSA Background
INORG	Iron	A-30	39000	15,000	Outside MSA Background
INORG	Lead	A-30	26	20.9	Outside MSA Background
INORG	Magnesium	A-30	27000	2,700	Outside MSA Background
INORG	Nickel	A-30	57	13.0	Outside MSA Background
INORG	Potassium	A-30	3000	1,100	Outside MSA Background
INORG	Selenium	A-30	1.9	0.37	Outside MSA Background
INORG	Sodium	A-30	680	130.0	Outside MSA Background
INORG	Vanadium	A-30	31	25.0	Outside MSA Background
INORG	Zinc	A-30	98	60.2	Outside MSA Background
INORG	Aluminum	A-31	16000	9,200	Outside MSA Background
INORG	Beryllium	A-31	0.90	0.56	Outside MSA Background
INORG	Calcium	A-31	73000	5,525	Outside MSA Background
INORG	Chromium	A-31	29	13.0	Outside MSA Background
INORG	Cobalt	A-31	19	8.9	Outside MSA Background
INORG	Copper	A-31	33	12.0	Outside MSA Background
INORG	Iron	A-31	31000	15,000	Outside MSA Background
INORG	Magnesium	A-31	35000	2,700	Outside MSA Background
INORG	Nickel	A-31	49	13.0	Outside MSA Background
INORG	Potassium	A-31	3700	1,100	Outside MSA Background
INORG	Sodium	A-31	350	130.0	Outside MSA Background
INORG	Vanadium	A-31	30	25.0	Outside MSA Background
INORG	Zinc	A-31	66	60.2	Outside MSA Background
INORG	Aluminum	A-32	15000	9,200	Outside MSA Background
INORG	Beryllium	A-32	0.79	0.56	Outside MSA Background
INORG	Calcium	A-32	74000	5,525	Outside MSA Background
INORG	Chromium	A-32	27	13.0	Outside MSA Background
INORG	Cobalt	A-32	15	8.9	Outside MSA Background
INORG	Copper	A-32	29	12.0	Outside MSA Background
INORG	Iron	A-32	28000	15,000	Outside MSA Background
INORG	Magnesium	A-32	33000	2,700	Outside MSA Background
INORG	Nickel	A-32	42	13.0	Outside MSA Background
INORG	Potassium	A-32	2600	1,100	Outside MSA Background
INORG	Sodium	A-32	740	130.0	Outside MSA Background
INORG	Vanadium	A-32	27	25.0	Outside MSA Background
INORG	Zinc	A-32	64	60.2	Outside MSA Background
INORG	Aluminum	A-33	16000	9,200	Outside MSA Background
INORG	Beryllium	A-33	0.86	0.56	Outside MSA Background
INORG	Calcium	A-33	81000	5,525	Outside MSA Background
INORG	Chromium	A-33	31	13.0	Outside MSA Background
INORG	Cobalt	A-33	20	8.9	Outside MSA Background
INORG	Copper	A-33	34	12.0	Outside MSA Background
INORG	Iron	A-33	29000	15,000	Outside MSA Background
INORG	Magnesium	A-33	38000	2,700	Outside MSA Background
INORG	Nickel	A-33	50	13.0	Outside MSA Background
INORG	Potassium	A-33	3900	1,100	Outside MSA Background
INORG	Sodium	A-33	240	130.0	Outside MSA Background
INORG	Vanadium	A-33	31	25.0	Outside MSA Background
INORG	Zinc	A-33	69	60.2	Outside MSA Background
INORG	Aluminum	A-34	14000	9,200	Outside MSA Background
INORG	Beryllium	A-34	0.85	0.56	Outside MSA Background
INORG	Calcium	A-34	79000	5,525	Outside MSA Background
INORG	Chromium	A-34	28	13.0	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin - EB

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Cobalt	A-34	19	8.9	Outside MSA Background
INORG	Copper	A-34	32	12.0	Outside MSA Background
INORG	Iron	A-34	27000	15,000	Outside MSA Background
INORG	Magnesium	A-34	37000	2,700	Outside MSA Background
INORG	Nickel	A-34	46	13.0	Outside MSA Background
INORG	Potassium	A-34	3700	1,100	Outside MSA Background
INORG	Sodium	A-34	250	130.0	Outside MSA Background
INORG	Vanadium	A-34	30	25.0	Outside MSA Background
PNA	Naphthalene	A-18	0.41	0.17	Outside MSA Background
PNA	Naphthalene	A-18	0.41	0.04	City of Chicago Background

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

February 01, 2019

Environmental Group Services, Ltd.

557 W. Polk

Chicago, IL 60610

Telephone: (312) 447-1200

Fax: (312) 447-0922

Analytical Report for STAT Work Order: 19010565 Revision 1

RE: Franklin-EB

Dear Bill Lennon:

STAT Analysis received 17 samples for the referenced project on 1/22/2019 5:05:00 PM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the last report revision.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla

Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

**Client:** Environmental Group Services, Ltd.**Project:** Franklin-EB**Work Order:** 19010565 Revision 1**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
19010565-001A	A-1		1/22/2019 6:00:00 AM	1/22/2019
19010565-001B	A-1		1/22/2019 6:00:00 AM	1/22/2019
19010565-002A	A-2		1/22/2019 6:15:00 AM	1/22/2019
19010565-002B	A-2		1/22/2019 6:15:00 AM	1/22/2019
19010565-003A	A-3		1/22/2019 6:30:00 AM	1/22/2019
19010565-003B	A-3		1/22/2019 6:30:00 AM	1/22/2019
19010565-004A	A-4		1/22/2019 6:45:00 AM	1/22/2019
19010565-004B	A-4		1/22/2019 6:45:00 AM	1/22/2019
19010565-005A	A-5		1/22/2019 7:00:00 AM	1/22/2019
19010565-005B	A-5		1/22/2019 7:00:00 AM	1/22/2019
19010565-006A	A-6		1/22/2019 7:15:00 AM	1/22/2019
19010565-006B	A-6		1/22/2019 7:15:00 AM	1/22/2019
19010565-007A	A-7		1/22/2019 7:30:00 AM	1/22/2019
19010565-007B	A-7		1/22/2019 7:30:00 AM	1/22/2019
19010565-008A	A-8		1/22/2019 7:45:00 AM	1/22/2019
19010565-008B	A-8		1/22/2019 7:45:00 AM	1/22/2019
19010565-009A	A-9		1/22/2019 8:00:00 AM	1/22/2019
19010565-009B	A-9		1/22/2019 8:00:00 AM	1/22/2019
19010565-010A	A-10		1/22/2019 8:15:00 AM	1/22/2019
19010565-010B	A-10		1/22/2019 8:15:00 AM	1/22/2019
19010565-011A	A-11		1/22/2019 8:30:00 AM	1/22/2019
19010565-011B	A-11		1/22/2019 8:30:00 AM	1/22/2019
19010565-012A	A-12		1/22/2019 8:45:00 AM	1/22/2019
19010565-012B	A-12		1/22/2019 8:45:00 AM	1/22/2019
19010565-013A	A-13		1/22/2019 9:00:00 AM	1/22/2019
19010565-013B	A-13		1/22/2019 9:00:00 AM	1/22/2019
19010565-014A	A-14		1/22/2019 9:15:00 AM	1/22/2019
19010565-014B	A-14		1/22/2019 9:15:00 AM	1/22/2019
19010565-015A	A-15		1/22/2019 9:30:00 AM	1/22/2019
19010565-015B	A-15		1/22/2019 9:30:00 AM	1/22/2019
19010565-016A	A-16		1/22/2019 9:45:00 AM	1/22/2019
19010565-016B	A-16		1/22/2019 9:45:00 AM	1/22/2019
19010565-017A	A-17		1/22/2019 10:00:00 AM	1/22/2019
19010565-017B	A-17		1/22/2019 10:00:00 AM	1/22/2019



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**CLIENT:** Environmental Group Services, Ltd.**Project:** Franklin-EB**Work Order:** 19010565 Revision 1**CASE NARRATIVE**

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At the customer's request, sample A-13 (19010565-013) was re-digested and analyzed for Arsenic. Results of the re-digestion and analysis are contained in this report revision.

The total mercury Matrix Spike/Matrix Spike Duplicate (MS/MSD) prepared from sample A-17 (19010565-017) had recovery outside control limits (74% (MSD) recovery, QC limits 75-125%). Recovery in the MS and Relative Percent Difference (RPD) between the MS and MSD were within control limits.

**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-1

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/22/2019		Analyst: ERP
Acetone	ND	0.078		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0052		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.010		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.078		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.052		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.010		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0052		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.010		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.020		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.016		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/27/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/27/2019

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-1

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP
Aniline	ND	0.40		mg/Kg-dry	1	1/27/2019
Anthracene	ND	0.040		mg/Kg-dry	1	1/27/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/27/2019
Benzdine	ND	0.40		mg/Kg-dry	1	1/27/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/27/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/27/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/27/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/27/2019
Benzoic acid	ND	0.99		mg/Kg-dry	1	1/27/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/27/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/27/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/27/2019
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	1/27/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/27/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	1/27/2019
Carbazole	ND	0.20		mg/Kg-dry	1	1/27/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/27/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/27/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/27/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/27/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/27/2019
Chrysene	ND	0.040		mg/Kg-dry	1	1/27/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/27/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/27/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/27/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/27/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/27/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/27/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/27/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	1/27/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/27/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	1/27/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/27/2019
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	1/27/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/27/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/27/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	1/27/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	1/27/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Work Order: 19010565 Revision 1

Project: Franklin-EB

Lab ID: 19010565-001

Client Sample ID: A-1

Collection Date: 1/22/2019 6:00:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/25/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/27/2019
Fluorene	ND	0.040		mg/Kg-dry	1	1/27/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/27/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/27/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/27/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/27/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/27/2019
Isophorone	ND	0.20		mg/Kg-dry	1	1/27/2019
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/27/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/27/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/27/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	1/27/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/27/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/27/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/27/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/27/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/27/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/27/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/27/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/27/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	1/27/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/27/2019
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	1/27/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/27/2019
Phenol	ND	0.20		mg/Kg-dry	1	1/27/2019
Pyrene	ND	0.040		mg/Kg-dry	1	1/27/2019
Pyridine	ND	0.92		mg/Kg-dry	1	1/27/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/27/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/27/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/27/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/25/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.095		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-1

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.019		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.039		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	13000	21		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.1		mg/Kg-dry	10	1/28/2019
Arsenic	4.0	1.0		mg/Kg-dry	10	1/28/2019
Barium	30	1.0		mg/Kg-dry	10	1/28/2019
Beryllium	0.80	0.52		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.52		mg/Kg-dry	10	1/28/2019
Calcium	69000	62		mg/Kg-dry	10	1/28/2019
Chromium	24	1.0		mg/Kg-dry	10	1/28/2019
Cobalt	11	1.0		mg/Kg-dry	10	1/28/2019
Copper	26	2.6		mg/Kg-dry	10	1/28/2019
Iron	23000	31		mg/Kg-dry	10	1/28/2019
Lead	14	0.52		mg/Kg-dry	10	1/28/2019
Magnesium	34000	31		mg/Kg-dry	10	1/28/2019
Manganese	420	1.0		mg/Kg-dry	10	1/28/2019
Nickel	31	1.0		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-1

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Potassium	2900	31		mg/Kg-dry	10	1/28/2019
Selenium	1.0	1.0		mg/Kg-dry	10	1/28/2019
Silver	ND	1.0		mg/Kg-dry	10	1/28/2019
Sodium	810	62		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.0		mg/Kg-dry	10	1/28/2019
Vanadium	29	1.0		mg/Kg-dry	10	1/28/2019
Zinc	51	5.2		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/28/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.071	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.011	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	2.5	0.010		mg/L	5	1/28/2019
Nickel	0.025	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	0.023	0.020		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/25/2019		Analyst: CAB
Cyanide	ND	0.30		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/24/2019		Analyst: JT
pH	7.60			pH Units	1	1/24/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/23/2019		Analyst: RW
Percent Moisture	16.6	0.2		wt%	1	1/24/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-2

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/22/2019		Analyst: ERP
Acetone	ND	0.082		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0054		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0054		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.082		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.054		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0054		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.021		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.016		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/28/2019

**Qualifiers:**

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B - Analyte detected in the associated Method Blank

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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-2

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.41		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benidine	ND	0.41		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-2

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP	
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.96		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: GVC	
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-2

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	14000	23		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.3		mg/Kg-dry	10	1/28/2019
Arsenic	13	1.1		mg/Kg-dry	10	1/28/2019
Barium	48	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.91	0.57		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.57		mg/Kg-dry	10	1/28/2019
Calcium	64000	69		mg/Kg-dry	10	1/28/2019
Chromium	28	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	20	1.1		mg/Kg-dry	10	1/28/2019
Copper	29	2.9		mg/Kg-dry	10	1/28/2019
Iron	25000	34		mg/Kg-dry	10	1/28/2019
Lead	19	0.57		mg/Kg-dry	10	1/28/2019
Magnesium	33000	34		mg/Kg-dry	10	1/28/2019
Manganese	480	1.1		mg/Kg-dry	10	1/28/2019
Nickel	53	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-2

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Potassium	3700	34		mg/Kg-dry	10	1/28/2019
Selenium	1.1	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	210	69		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	30	1.1		mg/Kg-dry	10	1/28/2019
Zinc	58	5.7		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/28/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.72	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.031	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	3.4	0.010		mg/L	5	1/28/2019
Nickel	0.062	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	0.026	0.019		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/25/2019		Analyst: CAB	
Cyanide	ND	0.32		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/24/2019		Analyst: JT	
pH	7.82			pH Units	1	1/24/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/23/2019		Analyst: RW	
Percent Moisture	20.7	0.2		wt%	1	1/24/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-3

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/22/2019		Analyst: ERP
Acetone	ND	0.090		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0060		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0060		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0060		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.012		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.090		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.060		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0060		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0060		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.012		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0060		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.012		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0060		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0060		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0060		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0060		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0060		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0060		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.024		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.012		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0060		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0060		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0060		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0060		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0060		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0060		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0060		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0060		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0060		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.017		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: FP
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/28/2019

**Qualifiers:**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-3

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.41		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benztidine	ND	0.41		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-3

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/25/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.96		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/25/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.098		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-3

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	15000	22		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/28/2019
Arsenic	5.3	1.1		mg/Kg-dry	10	1/28/2019
Barium	120	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	1.0	0.56		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.56		mg/Kg-dry	10	1/28/2019
Calcium	68000	67		mg/Kg-dry	10	1/28/2019
Chromium	30	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	14	1.1		mg/Kg-dry	10	1/28/2019
Copper	31	2.8		mg/Kg-dry	10	1/28/2019
Iron	30000	34		mg/Kg-dry	10	1/28/2019
Lead	15	0.56		mg/Kg-dry	10	1/28/2019
Magnesium	35000	34		mg/Kg-dry	10	1/28/2019
Manganese	540	1.1		mg/Kg-dry	10	1/28/2019
Nickel	42	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-3

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Potassium	3600	34		mg/Kg-dry	10	1/28/2019
Selenium	ND	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	210	67		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	30	1.1		mg/Kg-dry	10	1/28/2019
Zinc	57	5.6		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/28/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.63	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.061	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	2.2	0.010		mg/L	5	1/28/2019
Nickel	0.15	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	0.022	0.019		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/25/2019		Analyst: CAB	
Cyanide	ND	0.31		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/24/2019		Analyst: JT	
pH	7.98			pH Units	1	1/24/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/23/2019		Analyst: RW	
Percent Moisture	19.8	0.2	*	wt%	1	1/24/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-4

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
		<b>SW5035/8260B</b>		Prep Date: 1/22/2019		Analyst: ERP
Acetone	ND	0.087		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0058		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0058		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.012		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.087		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.058		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0058		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0058		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.012		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0058		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.012		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0058		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0058		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.023		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.012		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0058		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0058		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.018		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/28/2019

Qualifiers: ND - Not Detected at the Reporting Limit  
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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-4

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
		<b>SW8270C (SW3550B)</b>				
					Prep Date: 1/25/2019	Analyst: FP
Aniline	ND	0.41		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzidine	ND	0.41		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-4

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: FP
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.95		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
Aroclor 1016	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-4

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	13000	22		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/28/2019
Arsenic	4.9	1.1		mg/Kg-dry	10	1/28/2019
Barium	78	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.84	0.55		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.55		mg/Kg-dry	10	1/28/2019
Calcium	66000	66		mg/Kg-dry	10	1/28/2019
Chromium	26	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	12	1.1		mg/Kg-dry	10	1/28/2019
Copper	23	2.8		mg/Kg-dry	10	1/28/2019
Iron	24000	33		mg/Kg-dry	10	1/28/2019
Lead	12	0.55		mg/Kg-dry	10	1/28/2019
Magnesium	32000	33		mg/Kg-dry	10	1/28/2019
Manganese	480	1.1		mg/Kg-dry	10	1/28/2019
Nickel	36	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-4

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 6:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Potassium	3400	33		mg/Kg-dry	10	1/28/2019
Selenium	1.3	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	190	66		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	26	1.1		mg/Kg-dry	10	1/28/2019
Zinc	50	5.5		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/28/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.82	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.027	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	3.7	0.010		mg/L	5	1/28/2019
Nickel	0.059	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	0.026	0.019		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/25/2019		Analyst: CAB
Cyanide	ND	0.31		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/24/2019		Analyst: JT
pH	8.03			pH Units	1	1/24/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/23/2019		Analyst: RW
Percent Moisture	20.5	0.2	*	wt%	1	1/24/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-5

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/22/2019		Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0047		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0047		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.0095		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.071		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.047		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.0095		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0047		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.0095		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.0095		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0047		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0047		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0047		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/28/2019

Qualifiers: ND - Not Detected at the Reporting Limit  
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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-5

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP
Aniline	ND	0.41		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzidine	ND	0.41		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-5

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: FP
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.95		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
Aroclor 1016	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-5

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	15000	21		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.1		mg/Kg-dry	10	1/28/2019
Arsenic	6.4	1.0		mg/Kg-dry	10	1/28/2019
Barium	91	1.0		mg/Kg-dry	10	1/28/2019
Beryllium	1.0	0.52		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.52		mg/Kg-dry	10	1/28/2019
Calcium	63000	62		mg/Kg-dry	10	1/28/2019
Chromium	30	1.0		mg/Kg-dry	10	1/28/2019
Cobalt	12	1.0		mg/Kg-dry	10	1/28/2019
Copper	29	2.6		mg/Kg-dry	10	1/28/2019
Iron	33000	31		mg/Kg-dry	10	1/28/2019
Lead	14	0.52		mg/Kg-dry	10	1/28/2019
Magnesium	31000	31		mg/Kg-dry	10	1/28/2019
Manganese	500	1.0		mg/Kg-dry	10	1/28/2019
Nickel	38	1.0		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-5

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Potassium	4000	31		mg/Kg-dry	10	1/28/2019
Selenium	1.1	1.0		mg/Kg-dry	10	1/28/2019
Silver	ND	1.0		mg/Kg-dry	10	1/28/2019
Sodium	210	62		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.0		mg/Kg-dry	10	1/28/2019
Vanadium	31	1.0		mg/Kg-dry	10	1/28/2019
Zinc	55	5.2		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/28/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.62	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.033	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	3.5	0.010		mg/L	5	1/28/2019
Nickel	0.071	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>						
	<b>SW7471B</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	0.026	0.021		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>		Prep Date: 1/25/2019		Analyst: MD	
Cyanide	ND	0.31		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>		Prep Date: 1/24/2019		Analyst: JT	
pH	8.03			pH Units	1	1/24/2019
<b>Percent Moisture</b>						
	<b>D2974</b>		Prep Date: 1/23/2019		Analyst: RW	
Percent Moisture	19.6	0.2	*	wt%	1	1/24/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-6

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/22/2019		Analyst: ERP
Acetone	ND	0.079		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0052		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.079		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.052		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0052		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.022		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: FP
Acenaphthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.042		mg/Kg-dry	1	1/28/2019

Qualifiers:

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-6

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP
Aniline	ND	0.42		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benztidine	ND	0.42		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.042		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-6

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>	
Fluoranthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.042		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.042		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.042		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.97		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: GVC</b>	
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-6

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>				Prep Date: 1/25/2019	Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.042		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>				Prep Date: 1/26/2019	Analyst: JG
Aluminum	16000	21		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.1		mg/Kg-dry	10	1/28/2019
Arsenic	5.5	1.1		mg/Kg-dry	10	1/28/2019
Barium	100	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.97	0.53		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.53		mg/Kg-dry	10	1/28/2019
Calcium	74000	64		mg/Kg-dry	10	1/28/2019
Chromium	32	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	15	1.1		mg/Kg-dry	10	1/28/2019
Copper	29	2.7		mg/Kg-dry	10	1/28/2019
Iron	27000	32		mg/Kg-dry	10	1/28/2019
Lead	15	0.53		mg/Kg-dry	10	1/28/2019
Magnesium	37000	32		mg/Kg-dry	10	1/28/2019
Manganese	540	1.1		mg/Kg-dry	10	1/28/2019
Nickel	41	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-6

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Potassium	4100	32		mg/Kg-dry	10	1/28/2019
Selenium	1.4	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	220	64		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	33	1.1		mg/Kg-dry	10	1/28/2019
Zinc	59	5.3		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/28/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.82	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.014	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	3.0	0.010		mg/L	5	1/28/2019
Nickel	0.032	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	0.028	0.021		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/25/2019		Analyst: MD	
Cyanide	ND	0.32		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/24/2019		Analyst: JT	
pH	7.85			pH Units	1	1/24/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/23/2019		Analyst: RW	
Percent Moisture	21.6	0.2		wt%	1	1/24/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-7

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/22/2019		Analyst: ERP
Acetone	ND	0.093		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0062		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0062		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.012		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.093		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.062		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0062		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0062		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.012		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0062		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.012		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0062		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0062		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.025		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.025		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.012		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0062		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0062		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.018		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: FP
Acenaphthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.042		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-7

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.43		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzidine	ND	0.42		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.1		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.042		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.22		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-7

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/25/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.042		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.22		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.042		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.042		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.99		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/25/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/25/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-7

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0021		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0021		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0021		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0021		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0021		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.021		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0021		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0021		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0021		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0021		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0021		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.043		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	17000	22		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/28/2019
Arsenic	5.1	1.1		mg/Kg-dry	10	1/28/2019
Barium	110	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	1.1	0.55		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.55		mg/Kg-dry	10	1/28/2019
Calcium	67000	66		mg/Kg-dry	10	1/28/2019
Chromium	35	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	16	1.1		mg/Kg-dry	10	1/28/2019
Copper	32	2.7		mg/Kg-dry	10	1/28/2019
Iron	34000	33		mg/Kg-dry	10	1/28/2019
Lead	15	0.55		mg/Kg-dry	10	1/28/2019
Magnesium	33000	33		mg/Kg-dry	10	1/28/2019
Manganese	540	1.1		mg/Kg-dry	10	1/28/2019
Nickel	47	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-7

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Potassium	4100	33		mg/Kg-dry	10	1/28/2019
Selenium	1.3	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	230	66		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	34	1.1		mg/Kg-dry	10	1/28/2019
Zinc	62	5.5		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/28/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	1.0	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.029	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	4.0	0.010		mg/L	5	1/28/2019
Nickel	0.066	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	ND	0.024		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/25/2019		Analyst: MD
Cyanide	ND	0.32		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/24/2019		Analyst: JT
pH	7.84			pH Units	1	1/24/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/23/2019		Analyst: RW
Percent Moisture	22.6	0.2	*	wt%	1	1/24/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-8

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/22/2019		Analyst: ERP
Acetone	ND	0.10		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0068		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0068		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0068		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.014		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.10		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.068		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0068		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0068		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.014		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0068		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.014		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0068		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0068		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0068		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0068		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0068		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0068		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0068		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0068		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.028		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.028		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.014		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0068		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0068		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0068		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0068		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0068		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0068		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0068		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0068		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0068		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.020		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-8

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.42		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzdine	ND	0.41		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-8

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/25/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.96		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/25/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	1/25/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-8

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	14000	22		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/28/2019
Arsenic	8.1	1.1		mg/Kg-dry	10	1/28/2019
Barium	59	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.83	0.56		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.56		mg/Kg-dry	10	1/28/2019
Calcium	60000	67		mg/Kg-dry	10	1/28/2019
Chromium	28	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	18	1.1		mg/Kg-dry	10	1/28/2019
Copper	29	2.8		mg/Kg-dry	10	1/28/2019
Iron	24000	34		mg/Kg-dry	10	1/28/2019
Lead	16	0.56		mg/Kg-dry	10	1/28/2019
Magnesium	31000	34		mg/Kg-dry	10	1/28/2019
Manganese	470	1.1		mg/Kg-dry	10	1/28/2019
Nickel	46	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-8

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 7:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Potassium	3700	34		mg/Kg-dry	10	1/28/2019
Selenium	1.4	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	190	67		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	28	1.1		mg/Kg-dry	10	1/28/2019
Zinc	56	5.6		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/28/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	1.0	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.028	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	3.4	0.010		mg/L	5	1/28/2019
Nickel	0.057	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	0.028	0.022		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/25/2019		Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/24/2019		Analyst: JT
pH	7.78			pH Units	1	1/24/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/23/2019		Analyst: RW
Percent Moisture	20.0	0.2		wt%	1	1/24/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-9

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 1/22/2019</b>		<b>Analyst: ERP</b>
Acetone	ND	0.079		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0053		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0053		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.079		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.053		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0053		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.022		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0053		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0053		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0053		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.016		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>
Acenaphthene	ND	0.039		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.039		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-9

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.39		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.039		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	1/28/2019
Benzdine	ND	0.39		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	0.98		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.20		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.039		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-9

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: FP
Fluoranthene	ND	0.039		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.039		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.20		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.039		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.039		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.039		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.20		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.039		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.91		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
Aroclor 1016	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.095		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.095		mg/Kg-dry	1	1/25/2019

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-9

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>	<b>SW8081B (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: GVC	
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.019		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.039		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Aluminum	16000	22		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/28/2019
Arsenic	6.9	1.1		mg/Kg-dry	10	1/28/2019
Barium	95	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.97	0.54		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.54		mg/Kg-dry	10	1/28/2019
Calcium	76000	65		mg/Kg-dry	10	1/28/2019
Chromium	30	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	16	1.1		mg/Kg-dry	10	1/28/2019
Copper	31	2.7		mg/Kg-dry	10	1/28/2019
Iron	27000	33		mg/Kg-dry	10	1/28/2019
Lead	15	0.54		mg/Kg-dry	10	1/28/2019
Magnesium	38000	33		mg/Kg-dry	10	1/28/2019
Manganese	540	1.1		mg/Kg-dry	10	1/28/2019
Nickel	42	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-9

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Potassium	4100	33		mg/Kg-dry	10	1/28/2019
Selenium	1.3	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	230	65		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	33	1.1		mg/Kg-dry	10	1/28/2019
Zinc	58	5.4		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/28/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.91	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.042	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	0.78	0.25		mg/L	5	1/28/2019
Lead	0.010	0.0050		mg/L	5	1/28/2019
Manganese	7.0	0.010		mg/L	5	1/28/2019
Nickel	0.065	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.021		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/25/2019		Analyst: MD	
Cyanide	ND	0.30		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/24/2019		Analyst: JT	
pH	7.74			pH Units	1	1/24/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/23/2019		Analyst: RW	
Percent Moisture	16.6	0.2		wt%	1	1/24/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-10

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 1/22/2019</b>		<b>Analyst: ERP</b>
Acetone	0.17	0.11		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0071		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0071		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0071		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.014		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.11		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.071		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0071		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0071		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.014		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0071		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.014		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0071		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0071		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0071		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0071		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0071		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0071		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0071		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0071		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.028		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.028		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.014		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0071		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0071		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0071		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0071		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0071		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0071		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0071		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0071		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0071		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.021		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-10

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.41		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benztidine	ND	0.41		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-10

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: FP
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.96		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/25/2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-10

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	13000	23		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.3		mg/Kg-dry	10	1/28/2019
Arsenic	3.9	1.1		mg/Kg-dry	10	1/28/2019
Barium	71	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.81	0.57		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.57		mg/Kg-dry	10	1/28/2019
Calcium	61000	68		mg/Kg-dry	10	1/28/2019
Chromium	26	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	10	1.1		mg/Kg-dry	10	1/28/2019
Copper	25	2.8		mg/Kg-dry	10	1/28/2019
Iron	24000	34		mg/Kg-dry	10	1/28/2019
Lead	12	0.57		mg/Kg-dry	10	1/28/2019
Magnesium	31000	34		mg/Kg-dry	10	1/28/2019
Manganese	390	1.1		mg/Kg-dry	10	1/28/2019
Nickel	31	1.1		mg/Kg-dry	10	1/28/2019

Qualifiers:

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HT - Sample received past holding time

\* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-10

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Potassium	3300	34		mg/Kg-dry	10	1/28/2019
Selenium	1.4	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	190	68		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	29	1.1		mg/Kg-dry	10	1/28/2019
Zinc	53	5.7		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/28/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	1.1	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.047	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	0.25	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	2.9	0.010		mg/L	5	1/28/2019
Nickel	0.10	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.023		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/25/2019		Analyst: MD	
Cyanide	ND	0.32		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/24/2019		Analyst: JT	
pH	7.93			pH Units	1	1/24/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/23/2019		Analyst: RW	
Percent Moisture	20.7	0.2	*	wt%	1	1/24/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-11

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/22/2019		Analyst: ERP
Acetone	0.15	0.092		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0062		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0062		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.012		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.092		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.062		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0062		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0062		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.012		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0062		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.012		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0062		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0062		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.024		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.012		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0062		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0062		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0062		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0062		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.018		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: FP
Acenaphthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.042		mg/Kg-dry	1	1/28/2019

**Qualifiers:**

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-11

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.43		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzidine	ND	0.42		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.1		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.042		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.22		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-11

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: FP
Fluoranthene	ND	0.042		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.042		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.22		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.042		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.042		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.042		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.99		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/25/2019

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HT - Sample received past holding time  
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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-11

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.042		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	13000	23		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.3		mg/Kg-dry	10	1/28/2019
Arsenic	7.2	1.1		mg/Kg-dry	10	1/28/2019
Barium	60	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.81	0.56		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.56		mg/Kg-dry	10	1/28/2019
Calcium	64000	68		mg/Kg-dry	10	1/28/2019
Chromium	26	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	14	1.1		mg/Kg-dry	10	1/28/2019
Copper	28	2.8		mg/Kg-dry	10	1/28/2019
Iron	26000	34		mg/Kg-dry	10	1/28/2019
Lead	16	0.56		mg/Kg-dry	10	1/28/2019
Magnesium	32000	34		mg/Kg-dry	10	1/28/2019
Manganese	450	1.1		mg/Kg-dry	10	1/28/2019
Nickel	39	1.1		mg/Kg-dry	10	1/28/2019

**Qualifiers:**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-11

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Potassium	3100	34		mg/Kg-dry	10	1/28/2019
Selenium	1.3	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	190	68		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	28	1.1		mg/Kg-dry	10	1/28/2019
Zinc	54	5.6		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/28/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.92	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.085	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	0.014	0.0050		mg/L	5	1/28/2019
Manganese	5.5	0.010		mg/L	5	1/28/2019
Nickel	0.12	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	0.054	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	0.025	0.023		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/25/2019		Analyst: MD	
Cyanide	ND	0.32		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/24/2019		Analyst: JT	
pH	7.96			pH Units	1	1/24/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/23/2019		Analyst: RW	
Percent Moisture	22.1	0.2		wt%	1	1/24/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-12

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/22/2019		Analyst: AET
Acetone	ND	0.085		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0058		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0058		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.085		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.058		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0058		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0058		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0058		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0058		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0058		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.023		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0058		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0058		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0058		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0058		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.018		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-12

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: DM
Aniline	ND	0.42		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzidine	ND	0.41		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Work Order: 19010565 Revision 1

Project: Franklin-EB

Lab ID: 19010565-012

Client Sample ID: A-12

Collection Date: 1/22/2019 8:45:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: DM
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.96		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
Aroclor 1016	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-12

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	15000	22		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/28/2019
Arsenic	9.1	1.1		mg/Kg-dry	10	1/28/2019
Barium	100	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.91	0.56		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.56		mg/Kg-dry	10	1/28/2019
Calcium	81000	67		mg/Kg-dry	10	1/28/2019
Chromium	30	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	15	1.1		mg/Kg-dry	10	1/28/2019
Copper	29	2.8		mg/Kg-dry	10	1/28/2019
Iron	30000	33		mg/Kg-dry	10	1/28/2019
Lead	15	0.56		mg/Kg-dry	10	1/28/2019
Magnesium	39000	33		mg/Kg-dry	10	1/28/2019
Manganese	560	1.1		mg/Kg-dry	10	1/28/2019
Nickel	41	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-12

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 8:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Potassium	3600	33		mg/Kg-dry	10	1/28/2019
Selenium	1.4	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	210	67		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	31	1.1		mg/Kg-dry	10	1/28/2019
Zinc	58	5.6		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/28/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.98	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.021	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	0.31	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	3.5	0.010		mg/L	5	1/28/2019
Nickel	0.052	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/25/2019		Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/24/2019		Analyst: JT
pH	7.99			pH Units	1	1/24/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/23/2019		Analyst: RW
Percent Moisture	20.4	0.2	*	wt%	1	1/24/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-13

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/22/2019		Analyst: AET
Acetone	ND	0.076		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0050		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0050		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.010		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.076		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.050		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.010		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0050		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.010		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.020		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0050		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0050		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0050		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-13

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: DM</b>
Aniline	ND	0.41		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.040		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/28/2019
Benztidine	ND	0.40		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol*	ND	0.40		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.040		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-13

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: DM	
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.040		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.040		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.94		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: GVC	
Aroclor 1016	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.098		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-13

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	14000	21		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.1		mg/Kg-dry	10	1/28/2019
Arsenic	12	1.1		mg/Kg-dry	10	1/31/2019
Barium	120	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.94	0.54		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.54		mg/Kg-dry	10	1/28/2019
Calcium	76000	64		mg/Kg-dry	10	1/28/2019
Chromium	29	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	16	1.1		mg/Kg-dry	10	1/28/2019
Copper	39	2.7		mg/Kg-dry	10	1/28/2019
Iron	33000	32		mg/Kg-dry	10	1/28/2019
Lead	18	0.54		mg/Kg-dry	10	1/28/2019
Magnesium	40000	32		mg/Kg-dry	10	1/28/2019
Manganese	580	1.1		mg/Kg-dry	10	1/28/2019
Nickel	45	1.1		mg/Kg-dry	10	1/28/2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-13

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>				Prep Date: 1/26/2019	Analyst: JG
Potassium	3800	32		mg/Kg-dry	10	1/28/2019
Selenium	1.6	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	200	64		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	31	1.1		mg/Kg-dry	10	1/28/2019
Zinc	63	5.4		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>				Prep Date: 1/28/2019	Analyst: JG
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.89	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.026	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	3.6	0.010		mg/L	5	1/28/2019
Nickel	0.058	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>				Prep Date: 1/27/2019	Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>						
	<b>SW7471B</b>				Prep Date: 1/27/2019	Analyst: LB
Mercury	0.025	0.020		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>				Prep Date: 1/25/2019	Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>				Prep Date: 1/24/2019	Analyst: JT
pH	7.95			pH Units	1	1/24/2019
<b>Percent Moisture</b>						
	<b>D2974</b>				Prep Date: 1/23/2019	Analyst: RW
Percent Moisture	19.8	0.2		wt%	1	1/24/2019

**Qualifiers:**

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E - Value above quantitation range

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-14

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/22/2019		Analyst: AET
Acetone	ND	0.078		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0052		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.078		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.052		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0052		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.021		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0052		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.016		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: DM
Acenaphthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.043		mg/Kg-dry	1	1/28/2019

**Qualifiers:**

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E - Value above quantitation range

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-14

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: DM
Aniline	ND	0.43		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benidine	ND	0.43		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.1		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.043		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.22		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-14

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 1/25/2019	Analyst: DM
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Fluoranthene	ND	0.043	mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.043	mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.22	mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.22	mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.22	mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.22	mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.043	mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.22	mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.22	mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.22	mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.22	mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.043	mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.22	mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.22	mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.22	mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.22	mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.43	mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.043	mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.043	mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.22	mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.22	mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.22	mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.086	mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.043	mg/Kg-dry	1	1/28/2019
Phenol	ND	0.22	mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.043	mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.99	mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.22	mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.22	mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.22	mg/Kg-dry	1	1/28/2019

PCBs	SW8082A (SW3550B)	Prep Date: 1/25/2019	Analyst: GVC
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Aroclor 1016	ND	0.10	mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.10	mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.10	mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.10	mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.10	mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.10	mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.10	mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-14

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.042		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	12000	22		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/28/2019
Arsenic	6.3	1.1		mg/Kg-dry	10	1/28/2019
Barium	33	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.70	0.56		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.56		mg/Kg-dry	10	1/28/2019
Calcium	61000	67		mg/Kg-dry	10	1/28/2019
Chromium	23	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	9.6	1.1		mg/Kg-dry	10	1/28/2019
Copper	27	2.8		mg/Kg-dry	10	1/28/2019
Iron	27000	33		mg/Kg-dry	10	1/28/2019
Lead	14	0.56		mg/Kg-dry	10	1/28/2019
Magnesium	31000	33		mg/Kg-dry	10	1/28/2019
Manganese	420	1.1		mg/Kg-dry	10	1/28/2019
Nickel	30	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-14

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:15:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Potassium	2800	33		mg/Kg-dry	10	1/28/2019
Selenium	1.7	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	170	67		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	29	1.1		mg/Kg-dry	10	1/28/2019
Zinc	53	5.6		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/28/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.058	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	ND	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	2.3	0.010		mg/L	5	1/28/2019
Nickel	ND	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/27/2019		Analyst: LB
Mercury	0.027	0.020		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/25/2019		Analyst: MD
Cyanide	ND	0.32		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/24/2019		Analyst: JT
pH	7.85			pH Units	1	1/24/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/23/2019		Analyst: RW
Percent Moisture	22.9	0.2	*	wt%	1	1/24/2019

Qualifiers:

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-15

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/22/2019		Analyst: AET
Acetone	0.084	0.083		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0055		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0055		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.083		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.055		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0055		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.022		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0055		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0055		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0055		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.017		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: DM
Acenaphthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.043		mg/Kg-dry	1	1/28/2019

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-15

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: DM</b>
Aniline	ND	0.44		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benidine	ND	0.43		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.1		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.043		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.22		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Work Order: 19010565 Revision 1

Project: Franklin-EB

Lab ID: 19010565-015

Client Sample ID: A-15

Collection Date: 1/22/2019 9:30:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: DM
Fluoranthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.043		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.22		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.043		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.043		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.088		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.043		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.043		mg/Kg-dry	1	1/28/2019
Pyridine	ND	1.0		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-15

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0021		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0021		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0021		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0021		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0021		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.021		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0021		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0021		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0021		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0021		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0021		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.043		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	14000	24		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.4		mg/Kg-dry	10	1/28/2019
Arsenic	4.4	1.2		mg/Kg-dry	10	1/28/2019
Barium	51	1.2		mg/Kg-dry	10	1/28/2019
Beryllium	0.79	0.60		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.60		mg/Kg-dry	10	1/28/2019
Calcium	56000	72		mg/Kg-dry	10	1/28/2019
Chromium	27	1.2		mg/Kg-dry	10	1/28/2019
Cobalt	16	1.2		mg/Kg-dry	10	1/28/2019
Copper	21	3.0		mg/Kg-dry	10	1/28/2019
Iron	23000	36		mg/Kg-dry	10	1/28/2019
Lead	13	0.60		mg/Kg-dry	10	1/28/2019
Magnesium	26000	36		mg/Kg-dry	10	1/28/2019
Manganese	400	1.2		mg/Kg-dry	10	1/28/2019
Nickel	41	1.2		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-15

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:30:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Potassium	3400	36		mg/Kg-dry	10	1/28/2019
Selenium	1.5	1.2		mg/Kg-dry	10	1/28/2019
Silver	ND	1.2		mg/Kg-dry	10	1/28/2019
Sodium	170	72		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.2		mg/Kg-dry	10	1/28/2019
Vanadium	27	1.2		mg/Kg-dry	10	1/28/2019
Zinc	55	6.0		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/28/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.65	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.046	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	2.7	0.010		mg/L	5	1/28/2019
Nickel	0.090	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	0.025	0.024		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/25/2019		Analyst: MD	
Cyanide	ND	0.33		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/24/2019		Analyst: JT	
pH	8.26			pH Units	1	1/24/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/23/2019		Analyst: RW	
Percent Moisture	24.2	0.2	*	wt%	1	1/24/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-16

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/22/2019		Analyst: AET
Acetone	ND	0.082		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0054		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0054		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.082		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.054		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0054		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.022		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0054		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.017		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: DM
Acenaphthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.043		mg/Kg-dry	1	1/28/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-16

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/25/2019</b>		<b>Analyst: DM</b>
Aniline	ND	0.43		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benztidine	ND	0.43		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.1		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.043		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.22		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	1/28/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-16

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: DM
Fluoranthene	ND	0.043		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.043		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.22		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.043		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.043		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.043		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.22		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.043		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.99		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-16

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0021		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0021		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0021		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0021		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0021		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.021		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0021		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0021		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0021		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0021		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0021		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0021		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0021		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.043		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	12000	23		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.3		mg/Kg-dry	10	1/28/2019
Arsenic	7.0	1.1		mg/Kg-dry	10	1/28/2019
Barium	31	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.73	0.57		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.57		mg/Kg-dry	10	1/28/2019
Calcium	71000	69		mg/Kg-dry	10	1/28/2019
Chromium	24	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	9.9	1.1		mg/Kg-dry	10	1/28/2019
Copper	30	2.9		mg/Kg-dry	10	1/28/2019
Iron	26000	34		mg/Kg-dry	10	1/28/2019
Lead	16	0.57		mg/Kg-dry	10	1/28/2019
Magnesium	39000	34		mg/Kg-dry	10	1/28/2019
Manganese	450	1.1		mg/Kg-dry	10	1/28/2019
Nickel	31	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-16

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 9:45:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>				Prep Date: 1/26/2019	Analyst: JG
Potassium	2700	34		mg/Kg-dry	10	1/28/2019
Selenium	1.4	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	180	69		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	29	1.1		mg/Kg-dry	10	1/28/2019
Zinc	55	5.7		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>				Prep Date: 1/28/2019	Analyst: JG
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.20	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.010	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	2.3	0.010		mg/L	5	1/28/2019
Nickel	0.024	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>				Prep Date: 1/27/2019	Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>						
	<b>SW7471B</b>				Prep Date: 1/27/2019	Analyst: LB
Mercury	0.030	0.023		mg/Kg-dry	1	1/27/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>				Prep Date: 1/25/2019	Analyst: MD
Cyanide	0.59	0.32		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>				Prep Date: 1/24/2019	Analyst: JT
pH	8.12			pH Units	1	1/24/2019
<b>Percent Moisture</b>						
	<b>D2974</b>				Prep Date: 1/23/2019	Analyst: RW
Percent Moisture	22.9	0.2		wt%	1	1/24/2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-17

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 10:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/22/2019		Analyst: AET
Acetone	ND	0.076		mg/Kg-dry	1	1/23/2019
Benzene	ND	0.0051		mg/Kg-dry	1	1/23/2019
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	1/23/2019
Bromoform	ND	0.0051		mg/Kg-dry	1	1/23/2019
Bromomethane	ND	0.010		mg/Kg-dry	1	1/23/2019
2-Butanone	ND	0.076		mg/Kg-dry	1	1/23/2019
Carbon disulfide	ND	0.051		mg/Kg-dry	1	1/23/2019
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	1/23/2019
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	1/23/2019
Chloroethane	ND	0.010		mg/Kg-dry	1	1/23/2019
Chloroform	ND	0.0051		mg/Kg-dry	1	1/23/2019
Chloromethane	ND	0.010		mg/Kg-dry	1	1/23/2019
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	1/23/2019
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	1/23/2019
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	1/23/2019
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	1/23/2019
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	1/23/2019
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	1/23/2019
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/23/2019
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/23/2019
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	1/23/2019
2-Hexanone	ND	0.020		mg/Kg-dry	1	1/23/2019
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	1/23/2019
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/23/2019
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	1/23/2019
Styrene	ND	0.0051		mg/Kg-dry	1	1/23/2019
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	1/23/2019
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	1/23/2019
Toluene	ND	0.0051		mg/Kg-dry	1	1/23/2019
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	1/23/2019
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	1/23/2019
Trichloroethene	ND	0.0051		mg/Kg-dry	1	1/23/2019
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	1/23/2019
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/23/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/28/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-17

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 10:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: DM
Aniline	ND	0.41		mg/Kg-dry	1	1/28/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzidine	ND	0.41		mg/Kg-dry	1	1/28/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/28/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/28/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/28/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/28/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/28/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/28/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/28/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/28/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/28/2019

Qualifiers: ND - Not Detected at the Reporting Limit  
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\* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits  
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E - Value above quantitation range  
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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-17

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 10:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: DM	
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/28/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/28/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/28/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/28/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/28/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/28/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/28/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/28/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/28/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/28/2019
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	1/28/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/28/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/28/2019
Pyridine	ND	0.95		mg/Kg-dry	1	1/28/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/28/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 1/25/2019		Analyst: GVC	
Aroclor 1016	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1221	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1232	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1242	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1248	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1254	ND	0.098		mg/Kg-dry	1	1/25/2019
Aroclor 1260	ND	0.098		mg/Kg-dry	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-17

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 10:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/25/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/25/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/25/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/25/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/25/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/25/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/25/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/25/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	1/25/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/26/2019		Analyst: JG
Aluminum	13000	21		mg/Kg-dry	10	1/28/2019
Antimony	ND	2.1		mg/Kg-dry	10	1/28/2019
Arsenic	5.0	1.1		mg/Kg-dry	10	1/28/2019
Barium	60	1.1		mg/Kg-dry	10	1/28/2019
Beryllium	0.82	0.53		mg/Kg-dry	10	1/28/2019
Cadmium	ND	0.53		mg/Kg-dry	10	1/28/2019
Calcium	65000	63		mg/Kg-dry	10	1/28/2019
Chromium	26	1.1		mg/Kg-dry	10	1/28/2019
Cobalt	12	1.1		mg/Kg-dry	10	1/28/2019
Copper	30	2.6		mg/Kg-dry	10	1/28/2019
Iron	27000	32		mg/Kg-dry	10	1/28/2019
Lead	14	0.53		mg/Kg-dry	10	1/28/2019
Magnesium	34000	32		mg/Kg-dry	10	1/28/2019
Manganese	470	1.1		mg/Kg-dry	10	1/28/2019
Nickel	36	1.1		mg/Kg-dry	10	1/28/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-17

Work Order: 19010565 Revision 1

Collection Date: 1/22/2019 10:00:00 AM

Project: Franklin-EB

Matrix: Soil

Lab ID: 19010565-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/26/2019		Analyst: JG	
Potassium	3100	32		mg/Kg-dry	10	1/28/2019
Selenium	1.4	1.1		mg/Kg-dry	10	1/28/2019
Silver	ND	1.1		mg/Kg-dry	10	1/28/2019
Sodium	180	63		mg/Kg-dry	10	1/28/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/28/2019
Vanadium	28	1.1		mg/Kg-dry	10	1/28/2019
Zinc	58	5.3		mg/Kg-dry	10	1/28/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/28/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/28/2019
Arsenic	ND	0.010		mg/L	5	1/28/2019
Barium	0.90	0.050		mg/L	5	1/28/2019
Beryllium	ND	0.0050		mg/L	5	1/28/2019
Cadmium	ND	0.0050		mg/L	5	1/28/2019
Chromium	ND	0.010		mg/L	5	1/28/2019
Cobalt	0.015	0.010		mg/L	5	1/28/2019
Copper	ND	0.10		mg/L	5	1/28/2019
Iron	ND	0.25		mg/L	5	1/28/2019
Lead	ND	0.0050		mg/L	5	1/28/2019
Manganese	3.3	0.010		mg/L	5	1/28/2019
Nickel	0.032	0.020		mg/L	5	1/28/2019
Selenium	ND	0.010		mg/L	5	1/28/2019
Silver	ND	0.010		mg/L	5	1/28/2019
Thallium	ND	0.0050		mg/L	5	1/28/2019
Vanadium	ND	0.010		mg/L	5	1/28/2019
Zinc	ND	0.050		mg/L	5	1/28/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/27/2019		Analyst: LB	
Mercury	0.022	0.021		mg/Kg-dry	1	1/28/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/25/2019		Analyst: MD	
Cyanide	1.1	0.31		mg/Kg-dry	1	1/25/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/24/2019		Analyst: JT	
pH	8.13			pH Units	1	1/24/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/23/2019		Analyst: RW	
Percent Moisture	19.3	0.2	*	wt%	1	1/24/2019

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19010565

**CHAIN OF CUSTODY RECORD**

Nº:

Page : of

Company: EGSL

Project Number: \_\_\_\_\_ Client Tracking No.: \_\_\_\_\_

Project Name: FRANKLIN - EB

Project Location: \_\_\_\_\_

Sampler(s): \_\_\_\_\_

Report To: Bill EGAL Corp Phone: \_\_\_\_\_

QC Level: 1 2 3 4 Fax: \_\_\_\_\_

e-mail: \_\_\_\_\_

P.O. No.: \_\_\_\_\_

Quote No.: \_\_\_\_\_

*TCL + 16 TELP KCR + PH*

Turn Around: 4-DAY

Results Needed: \_\_\_\_\_

am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Remarks
A-1	1/22	0600	5		X		4	
A-2		0615						
A-3		0630						
A-4		0645						
A-5		0700						
A-6		0715						
A-7		0730						
A-8		0745						
A-9		0800						
A-10		0815						
A-11		0830						
A-12		0845						
A-13		0900						
A-14		0915						
A-15		0930						
A-16		0945						
A-17		1000						

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016  
017

Relinquished by: (Signature) [Signature] Date/Time: 1/22/19 1630

Received by: (Signature) [Signature] Date/Time: 1/22/19 1635

Relinquished by: (Signature) [Signature] Date/Time: 1/22/19 1705

Received by: (Signature) [Signature] Date/Time: 1/22/19 17

Comments:

4-DAY TAT  
THANK YOU.

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH  
 D = H<sub>2</sub>SO<sub>4</sub> E = HCl F = 5035/EnCore G = Other

3.4°C

**Sample Receipt Checklist**

Client Name EGSL

Date and Time Received: 1/22/2019 5:05:00 PM

Work Order Number 19010565

Received by: EAA

Checklist completed by:

*EAA*  
Signature

1/22/19  
Date

Reviewed by:

*E.A.*  
Initials

1/23/19  
Date

Matrix:

Carrier name STAT Analysis

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature 3.4 °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:



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February 01, 2019

Environmental Group Services, Ltd.

557 W. Polk

Chicago, IL 60610

Telephone: (312) 447-1200

Fax: (312) 447-0922

Analytical Report for STAT Work Order: 19010622 Revision 1

RE: Franklin - EB

Dear Bill Lennon:

STAT Analysis received 17 samples for the referenced project on 1/24/2019 9:38:00 AM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the last report revision.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla

Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

**Client:** Environmental Group Services, Ltd.**Project:** Franklin - EB**Work Order:** 19010622 Revision 1**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
19010622-001A	A-18		1/23/2019 6:00:00 AM	1/24/2019
19010622-001B	A-18		1/23/2019 6:00:00 AM	1/24/2019
19010622-002A	A-19		1/23/2019 6:15:00 AM	1/24/2019
19010622-002B	A-19		1/23/2019 6:15:00 AM	1/24/2019
19010622-003A	A-20		1/23/2019 6:30:00 AM	1/24/2019
19010622-003B	A-20		1/23/2019 6:30:00 AM	1/24/2019
19010622-004A	A-21		1/23/2019 6:45:00 AM	1/24/2019
19010622-004B	A-21		1/23/2019 6:45:00 AM	1/24/2019
19010622-005A	A-22		1/23/2019 7:00:00 AM	1/24/2019
19010622-005B	A-22		1/23/2019 7:00:00 AM	1/24/2019
19010622-006A	A-23		1/23/2019 7:15:00 AM	1/24/2019
19010622-006B	A-23		1/23/2019 7:15:00 AM	1/24/2019
19010622-007A	A-24		1/23/2019 7:30:00 AM	1/24/2019
19010622-007B	A-24		1/23/2019 7:30:00 AM	1/24/2019
19010622-008A	A-25		1/23/2019 7:45:00 AM	1/24/2019
19010622-008B	A-25		1/23/2019 7:45:00 AM	1/24/2019
19010622-009A	A-26		1/23/2019 8:00:00 AM	1/24/2019
19010622-009B	A-26		1/23/2019 8:00:00 AM	1/24/2019
19010622-010A	A-27		1/23/2019 8:15:00 AM	1/24/2019
19010622-010B	A-27		1/23/2019 8:15:00 AM	1/24/2019
19010622-011A	A-28		1/23/2019 8:30:00 AM	1/24/2019
19010622-011B	A-28		1/23/2019 8:30:00 AM	1/24/2019
19010622-012A	A-29		1/23/2019 8:45:00 AM	1/24/2019
19010622-012B	A-29		1/23/2019 8:45:00 AM	1/24/2019
19010622-013A	A-30		1/23/2019 9:00:00 AM	1/24/2019
19010622-013B	A-30		1/23/2019 9:00:00 AM	1/24/2019
19010622-014A	A-31		1/23/2019 9:15:00 AM	1/24/2019
19010622-014B	A-31		1/23/2019 9:15:00 AM	1/24/2019
19010622-015A	A-32		1/23/2019 9:30:00 AM	1/24/2019
19010622-015B	A-32		1/23/2019 9:30:00 AM	1/24/2019
19010622-016A	A-33		1/23/2019 9:45:00 AM	1/24/2019
19010622-016B	A-33		1/23/2019 9:45:00 AM	1/24/2019
19010622-017A	A-34		1/23/2019 10:00:00 AM	1/24/2019
19010622-017B	A-34		1/23/2019 10:00:00 AM	1/24/2019

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**CLIENT:** Environmental Group Services, Ltd.**Project:** Franklin - EB**Work Order:** 19010622 Revision 1**CASE NARRATIVE**

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At the customer's request, samples A-30 (19010622-013) and A-33 (19010622-016) were re-digested and analyzed for Arsenic. Results of the re-digestion and analysis are contained in this report revision.

**STAT Analysis Corporation**

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-18

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 1/24/2019</b>		<b>Analyst: MJK</b>
Acetone	ND	0.070		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0046		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0046		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.0093		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.070		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.046		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.0093		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0046		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.0093		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.0093		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Acenaphthene	ND	0.039		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.039		mg/Kg-dry	1	1/29/2019

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-18

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.40		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzdine	ND	0.39		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	0.99		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.039		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-18

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP	
Fluoranthene	ND	0.039		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.039		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	0.29	0.20		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Naphthalene	0.41	0.039		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.039		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.039		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.039		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.80		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 1/29/2019		Analyst: GVC	
Aroclor 1016	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.097		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-18

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.019		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	13000	20		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.0		mg/Kg-dry	10	1/26/2019
Arsenic	4.7	1.0		mg/Kg-dry	10	1/26/2019
Barium	30	1.0		mg/Kg-dry	10	1/26/2019
Beryllium	0.70	0.51		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.51		mg/Kg-dry	10	1/26/2019
Calcium	77000	61		mg/Kg-dry	10	1/26/2019
Chromium	24	1.0		mg/Kg-dry	10	1/26/2019
Cobalt	11	1.0		mg/Kg-dry	10	1/26/2019
Copper	30	2.5		mg/Kg-dry	10	1/26/2019
Iron	24000	30		mg/Kg-dry	10	1/26/2019
Lead	14	0.51		mg/Kg-dry	10	1/26/2019
Magnesium	38000	30		mg/Kg-dry	10	1/26/2019
Manganese	480	1.0		mg/Kg-dry	10	1/26/2019
Nickel	33	1.0		mg/Kg-dry	10	1/26/2019

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Client Sample ID: A-18

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/25/2019		Analyst: MDT	
Potassium	2900	30		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.0		mg/Kg-dry	10	1/26/2019
Silver	ND	1.0		mg/Kg-dry	10	1/26/2019
Sodium	180	61		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.0		mg/Kg-dry	10	1/26/2019
Vanadium	29	1.0		mg/Kg-dry	10	1/26/2019
Zinc	56	5.1		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/29/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.054	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.025	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	1.2	0.25		mg/L	5	1/29/2019
Lead	0.014	0.0050		mg/L	5	1/29/2019
Manganese	5.0	0.010		mg/L	5	1/29/2019
Nickel	0.040	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/29/2019		Analyst: LB	
Mercury	0.00025	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/29/2019		Analyst: LB	
Mercury	ND	0.021		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/27/2019		Analyst: MD	
Cyanide	ND	0.30		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/25/2019		Analyst: JT	
pH	7.83			pH Units	1	1/25/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/24/2019		Analyst: RW	
Percent Moisture	17.9	0.2	*	wt%	1	1/25/2019

**Qualifiers:**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-19

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 1/24/2019</b>		<b>Analyst: MJK</b>
Acetone	0.097	0.097		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0064		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0064		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.013		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.097		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.064		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0064		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0064		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.013		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0064		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.013		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0064		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0064		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.026		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.026		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.013		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0064		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0064		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.019		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Acenaphthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.043		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-19

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.43		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzdine	ND	0.43		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.1		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.043		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.22		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-19

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.043		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.22		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.043		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.043		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.86		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/29/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-19

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0021		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0021		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0021		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0021		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0021		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.021		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0021		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0021		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0021		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0021		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0021		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.043		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	15000	24		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.4		mg/Kg-dry	10	1/26/2019
Arsenic	4.3	1.2		mg/Kg-dry	10	1/26/2019
Barium	60	1.2		mg/Kg-dry	10	1/26/2019
Beryllium	0.80	0.59		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.59		mg/Kg-dry	10	1/26/2019
Calcium	52000	71		mg/Kg-dry	10	1/26/2019
Chromium	28	1.2		mg/Kg-dry	10	1/26/2019
Cobalt	17	1.2		mg/Kg-dry	10	1/26/2019
Copper	26	2.9		mg/Kg-dry	10	1/26/2019
Iron	26000	35		mg/Kg-dry	10	1/26/2019
Lead	15	0.59		mg/Kg-dry	10	1/26/2019
Magnesium	25000	35		mg/Kg-dry	10	1/26/2019
Manganese	380	1.2		mg/Kg-dry	10	1/26/2019
Nickel	47	1.2		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-19

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Potassium	3400	35		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.2		mg/Kg-dry	10	1/26/2019
Silver	ND	1.2		mg/Kg-dry	10	1/26/2019
Sodium	150	71		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.2		mg/Kg-dry	10	1/26/2019
Vanadium	27	1.2		mg/Kg-dry	10	1/26/2019
Zinc	56	5.9		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/29/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.73	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.053	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	ND	0.0050		mg/L	5	1/29/2019
Manganese	4.5	0.010		mg/L	5	1/29/2019
Nickel	0.067	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/29/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/28/2019		Analyst: LB
Mercury	0.029	0.025		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/27/2019		Analyst: MD
Cyanide	ND	0.33		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/25/2019		Analyst: JT
pH	7.70			pH Units	1	1/25/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/24/2019		Analyst: RW
Percent Moisture	23.7	0.2	*	wt%	1	1/25/2019

Qualifiers:

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-20

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 1/24/2019</b>		<b>Analyst: MJK</b>
Acetone	0.17	0.078		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0052		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0052		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.010		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.078		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.052		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.010		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0052		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.010		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.021		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.016		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Acenaphthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.043		mg/Kg-dry	1	1/29/2019

**Qualifiers:**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-20

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.43		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benztidine	ND	0.43		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.1		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.043		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.22		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-20

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/28/2019		Analyst: FP
Fluoranthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.043		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.22		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.043		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.043		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.087		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.87		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-20

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0021		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0021		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0021		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0021		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0021		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.021		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0021		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0021		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0021		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0021		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0021		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.043		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	14000	23		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.3		mg/Kg-dry	10	1/26/2019
Arsenic	3.9	1.2		mg/Kg-dry	10	1/26/2019
Barium	71	1.2		mg/Kg-dry	10	1/26/2019
Beryllium	0.82	0.58		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.58		mg/Kg-dry	10	1/26/2019
Calcium	47000	70		mg/Kg-dry	10	1/26/2019
Chromium	28	1.2		mg/Kg-dry	10	1/26/2019
Cobalt	15	1.2		mg/Kg-dry	10	1/26/2019
Copper	24	2.9		mg/Kg-dry	10	1/26/2019
Iron	25000	35		mg/Kg-dry	10	1/26/2019
Lead	14	0.58		mg/Kg-dry	10	1/26/2019
Magnesium	22000	35		mg/Kg-dry	10	1/26/2019
Manganese	350	1.2		mg/Kg-dry	10	1/26/2019
Nickel	43	1.2		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-20

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/25/2019		Analyst: MDT	
Potassium	3300	35		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.2		mg/Kg-dry	10	1/26/2019
Silver	ND	1.2		mg/Kg-dry	10	1/26/2019
Sodium	140	70		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.2		mg/Kg-dry	10	1/26/2019
Vanadium	27	1.2		mg/Kg-dry	10	1/26/2019
Zinc	56	5.8		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/29/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.72	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.099	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	0.0089	0.0050		mg/L	5	1/29/2019
Manganese	4.7	0.010		mg/L	5	1/29/2019
Nickel	0.16	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	0.055	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/29/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/28/2019		Analyst: LB	
Mercury	0.027	0.024		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/27/2019		Analyst: MD	
Cyanide	ND	0.33		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/25/2019		Analyst: JT	
pH	7.94			pH Units	1	1/25/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/24/2019		Analyst: RW	
Percent Moisture	23.3	0.2	*	wt%	1	1/25/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-21

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/24/2019		Analyst: MJK
Acetone	0.12	0.087		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0058		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0058		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0058		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.012		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.087		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.058		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0058		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0058		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.012		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0058		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.012		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0058		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0058		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0058		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0058		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0058		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0058		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.023		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.012		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0058		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0058		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0058		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0058		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0058		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0058		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0058		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0058		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0058		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.017		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/29/2019

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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HT - Sample received past holding time

\* - Non-accredited parameter

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E - Value above quantitation range

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-21

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.42		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzdine	ND	0.41		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-21

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.84		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/29/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-21

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>	<b>SW8081B (SW3550B)</b>		Prep Date: 1/29/2019		Analyst: GVC	
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/25/2019		Analyst: MDT	
Aluminum	13000	22		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/26/2019
Arsenic	5.2	1.1		mg/Kg-dry	10	1/26/2019
Barium	74	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.70	0.56		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.56		mg/Kg-dry	10	1/26/2019
Calcium	70000	67		mg/Kg-dry	10	1/26/2019
Chromium	26	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	19	1.1		mg/Kg-dry	10	1/26/2019
Copper	30	2.8		mg/Kg-dry	10	1/26/2019
Iron	25000	33		mg/Kg-dry	10	1/26/2019
Lead	15	0.56		mg/Kg-dry	10	1/26/2019
Magnesium	34000	33		mg/Kg-dry	10	1/26/2019
Manganese	510	1.1		mg/Kg-dry	10	1/26/2019
Nickel	45	1.1		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-21

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 6:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Potassium	3100	33		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	150	67		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	26	1.1		mg/Kg-dry	10	1/26/2019
Zinc	56	5.6		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/29/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.74	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.080	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	0.0069	0.0050		mg/L	5	1/29/2019
Manganese	4.3	0.010		mg/L	5	1/29/2019
Nickel	0.15	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/29/2019		Analyst: LB
Mercury	0.00020	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/28/2019		Analyst: LB
Mercury	0.024	0.023		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/27/2019		Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/25/2019		Analyst: JT
pH	7.90			pH Units	1	1/25/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/24/2019		Analyst: RW
Percent Moisture	20.0	0.2		wt%	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-22

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/24/2019		Analyst: MJK
Acetone	0.10	0.089		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0059		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0059		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.012		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.089		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.059		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0059		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0059		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.012		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0059		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.012		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0059		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0059		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.024		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.012		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0059		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0059		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.018		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/29/2019

**Qualifiers:**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-22

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.42		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzdine	ND	0.41		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-22

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP	
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.84		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 1/29/2019		Analyst: GVC	
Aroclor 1016	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-22

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	18000	22		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/26/2019
Arsenic	11	1.1		mg/Kg-dry	10	1/26/2019
Barium	76	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	1.0	0.54		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.54		mg/Kg-dry	10	1/26/2019
Calcium	76000	65		mg/Kg-dry	10	1/26/2019
Chromium	35	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	21	1.1		mg/Kg-dry	10	1/26/2019
Copper	39	2.7		mg/Kg-dry	10	1/26/2019
Iron	33000	33		mg/Kg-dry	10	1/26/2019
Lead	17	0.54		mg/Kg-dry	10	1/26/2019
Magnesium	37000	33		mg/Kg-dry	10	1/26/2019
Manganese	600	1.1		mg/Kg-dry	10	1/26/2019
Nickel	56	1.1		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-22

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Potassium	4700	33		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	200	65		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	36	1.1		mg/Kg-dry	10	1/26/2019
Zinc	69	5.4		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/29/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.83	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.052	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	0.0077	0.0050		mg/L	5	1/29/2019
Manganese	6.5	0.010		mg/L	5	1/29/2019
Nickel	0.072	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/29/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/28/2019		Analyst: LB
Mercury	ND	0.022		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/27/2019		Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/25/2019		Analyst: JT
pH	8.05			pH Units	1	1/25/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/24/2019		Analyst: RW
Percent Moisture	20.2	0.2	*	wt%	1	1/25/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-23

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 1/24/2019</b>		<b>Analyst: MJK</b>
Acetone	0.18	0.085		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0057		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0057		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0057		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.085		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.057		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0057		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0057		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0057		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0057		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0057		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0057		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0057		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0057		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0057		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.023		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0057		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0057		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0057		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0057		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0057		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0057		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0057		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0057		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0057		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.017		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Acenaphthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.043		mg/Kg-dry	1	1/29/2019

**Qualifiers:**

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-23

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>			Prep Date: 1/28/2019	Analyst: FP
Aniline	ND	0.43		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benztidine	ND	0.43		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.1		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.043		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.22		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-23

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/28/2019		Analyst: FP
Fluoranthene	ND	0.043		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.043		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.22		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.043		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.043		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.087		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.22		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.043		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.87		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-23

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0021		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0021		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0021		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0021		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0021		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.021		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0021		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0021		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0021		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0021		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0021		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0021		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0021		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.043		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	19000	23		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.3		mg/Kg-dry	10	1/26/2019
Arsenic	6.8	1.2		mg/Kg-dry	10	1/26/2019
Barium	78	1.2		mg/Kg-dry	10	1/26/2019
Beryllium	1.1	0.58		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.58		mg/Kg-dry	10	1/26/2019
Calcium	66000	69		mg/Kg-dry	10	1/26/2019
Chromium	38	1.2		mg/Kg-dry	10	1/26/2019
Cobalt	27	1.2		mg/Kg-dry	10	1/26/2019
Copper	32	2.9		mg/Kg-dry	10	1/26/2019
Iron	34000	35		mg/Kg-dry	10	1/26/2019
Lead	20	0.58		mg/Kg-dry	10	1/26/2019
Magnesium	31000	35		mg/Kg-dry	10	1/26/2019
Manganese	500	1.2		mg/Kg-dry	10	1/26/2019
Nickel	70	1.2		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-23

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/25/2019		Analyst: MDT	
Potassium	4900	35		mg/Kg-dry	10	1/26/2019
Selenium	1.5	1.2		mg/Kg-dry	10	1/26/2019
Silver	ND	1.2		mg/Kg-dry	10	1/26/2019
Sodium	200	69		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.2		mg/Kg-dry	10	1/26/2019
Vanadium	37	1.2		mg/Kg-dry	10	1/26/2019
Zinc	74	5.8		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/29/2019		Analyst: MDT	
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.74	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.034	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	ND	0.0050		mg/L	5	1/29/2019
Manganese	2.1	0.010		mg/L	5	1/29/2019
Nickel	0.081	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/29/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/28/2019		Analyst: LB	
Mercury	0.023	0.020		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/27/2019		Analyst: MD	
Cyanide	ND	0.33		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/25/2019		Analyst: JT	
pH	8.18			pH Units	1	1/25/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/24/2019		Analyst: RW	
Percent Moisture	23.5	0.2		wt%	1	1/25/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-24

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 1/24/2019</b>		<b>Analyst: MJK</b>
Acetone	0.13	0.081		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0054		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0054		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.081		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.054		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0054		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.021		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.016		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-24

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.41		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benztidine	ND	0.40		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-24

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.040		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.82		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/29/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-24

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	17000	22		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/26/2019
Arsenic	6.1	1.1		mg/Kg-dry	10	1/26/2019
Barium	120	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.98	0.55		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.55		mg/Kg-dry	10	1/26/2019
Calcium	80000	65		mg/Kg-dry	10	1/26/2019
Chromium	33	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	18	1.1		mg/Kg-dry	10	1/26/2019
Copper	37	2.7		mg/Kg-dry	10	1/26/2019
Iron	35000	33		mg/Kg-dry	10	1/26/2019
Lead	17	0.55		mg/Kg-dry	10	1/26/2019
Magnesium	39000	33		mg/Kg-dry	10	1/26/2019
Manganese	640	1.1		mg/Kg-dry	10	1/26/2019
Nickel	50	1.1		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-24

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/25/2019		Analyst: MDT	
Potassium	4000	33		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	190	65		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	32	1.1		mg/Kg-dry	10	1/26/2019
Zinc	69	5.5		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/29/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.83	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.066	0.010		mg/L	5	1/29/2019
Copper	0.12	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	0.014	0.0050		mg/L	5	1/29/2019
Manganese	6.7	0.010		mg/L	5	1/29/2019
Nickel	0.083	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/29/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/28/2019		Analyst: LB	
Mercury	0.026	0.021		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/27/2019		Analyst: MD	
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/25/2019		Analyst: JT	
pH	8.11			pH Units	1	1/25/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/24/2019		Analyst: RW	
Percent Moisture	20.3	0.2	*	wt%	1	1/25/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-25

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
		<b>SW5035/8260B</b>		Prep Date: 1/24/2019		Analyst: AET
Acetone	ND	0.076		mg/Kg-dry	1	1/26/2019
Benzene	ND	0.0051		mg/Kg-dry	1	1/26/2019
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	1/26/2019
Bromoform	ND	0.0051		mg/Kg-dry	1	1/26/2019
Bromomethane	ND	0.010		mg/Kg-dry	1	1/26/2019
2-Butanone	ND	0.076		mg/Kg-dry	1	1/26/2019
Carbon disulfide	ND	0.051		mg/Kg-dry	1	1/26/2019
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	1/26/2019
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	1/26/2019
Chloroethane	ND	0.010		mg/Kg-dry	1	1/26/2019
Chloroform	ND	0.0051		mg/Kg-dry	1	1/26/2019
Chloromethane	ND	0.010		mg/Kg-dry	1	1/26/2019
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	1/26/2019
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	1/26/2019
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	1/26/2019
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	1/26/2019
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	1/26/2019
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	1/26/2019
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	1/26/2019
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/26/2019
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/26/2019
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	1/26/2019
2-Hexanone	ND	0.020		mg/Kg-dry	1	1/26/2019
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	1/26/2019
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/26/2019
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	1/26/2019
Styrene	ND	0.0051		mg/Kg-dry	1	1/26/2019
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	1/26/2019
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	1/26/2019
Toluene	ND	0.0051		mg/Kg-dry	1	1/26/2019
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	1/26/2019
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	1/26/2019
Trichloroethene	ND	0.0051		mg/Kg-dry	1	1/26/2019
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	1/26/2019
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/26/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.037		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.037		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-25

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Aniline	ND	0.37		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.037		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	1/29/2019
Benzidine	ND	0.37		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	0.92		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.19		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.037		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.19		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-25

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.037		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.037		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.19		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.19		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.19		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.19		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.037		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.037		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.037		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.19		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.037		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.74		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/29/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.091		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.091		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.091		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.091		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.091		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.091		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.091		mg/Kg-dry	1	1/29/2019

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**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-25

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0018		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0018		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0018		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.018		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0018		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0018		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0018		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0018		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0018		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0018		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0018		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0018		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0018		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.037		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	13000	19		mg/Kg-dry	10	1/26/2019
Antimony	ND	1.9		mg/Kg-dry	10	1/26/2019
Arsenic	13	0.97		mg/Kg-dry	10	1/26/2019
Barium	39	0.97		mg/Kg-dry	10	1/26/2019
Beryllium	0.76	0.49		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.49		mg/Kg-dry	10	1/26/2019
Calcium	70000	58		mg/Kg-dry	10	1/26/2019
Chromium	26	0.97		mg/Kg-dry	10	1/26/2019
Cobalt	17	0.97		mg/Kg-dry	10	1/26/2019
Copper	33	2.4		mg/Kg-dry	10	1/26/2019
Iron	27000	29		mg/Kg-dry	10	1/26/2019
Lead	16	0.49		mg/Kg-dry	10	1/26/2019
Magnesium	35000	29		mg/Kg-dry	10	1/26/2019
Manganese	520	0.97		mg/Kg-dry	10	1/26/2019
Nickel	44	0.97		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

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Client Sample ID: A-25

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 7:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Potassium	3300	29		mg/Kg-dry	10	1/26/2019
Selenium	ND	0.97		mg/Kg-dry	10	1/26/2019
Silver	ND	0.97		mg/Kg-dry	10	1/26/2019
Sodium	230	58		mg/Kg-dry	10	1/26/2019
Thallium	ND	0.97		mg/Kg-dry	10	1/26/2019
Vanadium	26	0.97		mg/Kg-dry	10	1/26/2019
Zinc	57	4.9		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/29/2019		Analyst: JG
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.43	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.095	0.010		mg/L	5	1/29/2019
Copper	0.16	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	0.013	0.0050		mg/L	5	1/29/2019
Manganese	6.3	0.010		mg/L	5	1/29/2019
Nickel	0.17	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	0.065	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/29/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/28/2019		Analyst: LB
Mercury	0.025	0.017		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/27/2019		Analyst: MD
Cyanide	ND	0.28		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/25/2019		Analyst: JT
pH	7.77			pH Units	1	1/25/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/24/2019		Analyst: RW
Percent Moisture	12.3	0.2	*	wt%	1	1/25/2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-26

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/24/2019		Analyst: AET
Acetone	ND	0.097		mg/Kg-dry	1	1/26/2019
Benzene	ND	0.0065		mg/Kg-dry	1	1/26/2019
Bromodichloromethane	ND	0.0065		mg/Kg-dry	1	1/26/2019
Bromoform	ND	0.0065		mg/Kg-dry	1	1/26/2019
Bromomethane	ND	0.013		mg/Kg-dry	1	1/26/2019
2-Butanone	ND	0.097		mg/Kg-dry	1	1/26/2019
Carbon disulfide	ND	0.065		mg/Kg-dry	1	1/26/2019
Carbon tetrachloride	ND	0.0065		mg/Kg-dry	1	1/26/2019
Chlorobenzene	ND	0.0065		mg/Kg-dry	1	1/26/2019
Chloroethane	ND	0.013		mg/Kg-dry	1	1/26/2019
Chloroform	ND	0.0065		mg/Kg-dry	1	1/26/2019
Chloromethane	ND	0.013		mg/Kg-dry	1	1/26/2019
Dibromochloromethane	ND	0.0065		mg/Kg-dry	1	1/26/2019
1,1-Dichloroethane	ND	0.0065		mg/Kg-dry	1	1/26/2019
1,2-Dichloroethane	ND	0.0065		mg/Kg-dry	1	1/26/2019
1,1-Dichloroethene	ND	0.0065		mg/Kg-dry	1	1/26/2019
cis-1,2-Dichloroethene	ND	0.0065		mg/Kg-dry	1	1/26/2019
trans-1,2-Dichloroethene	ND	0.0065		mg/Kg-dry	1	1/26/2019
1,2-Dichloropropane	ND	0.0065		mg/Kg-dry	1	1/26/2019
cis-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	1/26/2019
trans-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	1/26/2019
Ethylbenzene	ND	0.0065		mg/Kg-dry	1	1/26/2019
2-Hexanone	ND	0.026		mg/Kg-dry	1	1/26/2019
4-Methyl-2-pentanone	ND	0.026		mg/Kg-dry	1	1/26/2019
Methylene chloride	ND	0.013		mg/Kg-dry	1	1/26/2019
Methyl tert-butyl ether	ND	0.0065		mg/Kg-dry	1	1/26/2019
Styrene	ND	0.0065		mg/Kg-dry	1	1/26/2019
1,1,2,2-Tetrachloroethane	ND	0.0065		mg/Kg-dry	1	1/26/2019
Tetrachloroethene	ND	0.0065		mg/Kg-dry	1	1/26/2019
Toluene	ND	0.0065		mg/Kg-dry	1	1/26/2019
1,1,1-Trichloroethane	ND	0.0065		mg/Kg-dry	1	1/26/2019
1,1,2-Trichloroethane	ND	0.0065		mg/Kg-dry	1	1/26/2019
Trichloroethene	ND	0.0065		mg/Kg-dry	1	1/26/2019
Vinyl chloride	ND	0.0065		mg/Kg-dry	1	1/26/2019
Xylenes, Total	ND	0.019		mg/Kg-dry	1	1/26/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-26

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 1/28/2019		Analyst: FP
Aniline	ND	0.40		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzidine	ND	0.40		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	0.99		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019

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Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.040		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.80		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/29/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.098		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.098		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.098		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.098		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.098		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.098		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.098		mg/Kg-dry	1	1/29/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-26

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	12000	22		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/26/2019
Arsenic	13	1.1		mg/Kg-dry	10	1/26/2019
Barium	39	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.76	0.55		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.55		mg/Kg-dry	10	1/26/2019
Calcium	58000	66		mg/Kg-dry	10	1/26/2019
Chromium	23	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	9.4	1.1		mg/Kg-dry	10	1/26/2019
Copper	45	2.7		mg/Kg-dry	10	1/26/2019
Iron	30000	33		mg/Kg-dry	10	1/26/2019
Lead	24	0.55		mg/Kg-dry	10	1/26/2019
Magnesium	29000	33		mg/Kg-dry	10	1/26/2019
Manganese	310	1.1		mg/Kg-dry	10	1/26/2019
Nickel	34	1.1		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-26

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Potassium	2700	33		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	200	66		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	29	1.1		mg/Kg-dry	10	1/26/2019
Zinc	53	5.5		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/29/2019		Analyst: MDT
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.34	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	ND	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	ND	0.0050		mg/L	5	1/29/2019
Manganese	0.90	0.010		mg/L	5	1/29/2019
Nickel	ND	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/29/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/28/2019		Analyst: LB
Mercury	0.027	0.023		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/27/2019		Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/25/2019		Analyst: JT
pH	8.10			pH Units	1	1/25/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/24/2019		Analyst: RW
Percent Moisture	18.5	0.2	*	wt%	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-27

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/24/2019		Analyst: AET
Acetone	ND	0.082		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0054		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0054		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.082		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.054		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0054		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.022		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0054		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.016		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.039		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.039		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-27

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
		<b>SW8270C (SW3550B)</b>			<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Aniline	ND	0.40		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzidine	ND	0.39		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	0.99		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.039		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-27

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.039		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.039		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.039		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.039		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.039		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.039		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.80		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/29/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.095		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.095		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.095		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.095		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.095		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.095		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.095		mg/Kg-dry	1	1/29/2019

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-27

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.019		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.039		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	15000	22		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/26/2019
Arsenic	8.0	1.1		mg/Kg-dry	10	1/26/2019
Barium	63	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.86	0.54		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.54		mg/Kg-dry	10	1/26/2019
Calcium	71000	65		mg/Kg-dry	10	1/26/2019
Chromium	30	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	16	1.1		mg/Kg-dry	10	1/26/2019
Copper	32	2.7		mg/Kg-dry	10	1/26/2019
Iron	28000	33		mg/Kg-dry	10	1/26/2019
Lead	15	0.54		mg/Kg-dry	10	1/26/2019
Magnesium	35000	33		mg/Kg-dry	10	1/26/2019
Manganese	530	1.1		mg/Kg-dry	10	1/26/2019
Nickel	44	1.1		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-27

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>		Prep Date: 1/25/2019		Analyst: MDT	
Potassium	3900	33		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	360	65		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	30	1.1		mg/Kg-dry	10	1/26/2019
Zinc	60	5.4		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/29/2019		Analyst: JG	
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.77	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.037	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	0.44	0.25		mg/L	5	1/29/2019
Lead	ND	0.0050		mg/L	5	1/29/2019
Manganese	4.7	0.010		mg/L	5	1/29/2019
Nickel	0.020	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>		Prep Date: 1/29/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>						
	<b>SW7471B</b>		Prep Date: 1/28/2019		Analyst: LB	
Mercury	0.026	0.020		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>		Prep Date: 1/27/2019		Analyst: MD	
Cyanide	ND	0.30		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>		Prep Date: 1/25/2019		Analyst: JT	
pH	7.65			pH Units	1	1/25/2019
<b>Percent Moisture</b>						
	<b>D2974</b>		Prep Date: 1/24/2019		Analyst: RW	
Percent Moisture	16.2	0.2		wt%	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-28

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/24/2019		Analyst: AET
Acetone	ND	0.071		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0047		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0047		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.0094		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.071		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.047		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.0094		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0047		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.0094		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.0094		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.038		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.038		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-28

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Aniline	ND	0.38		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.038		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	1/29/2019
Benzdine	ND	0.38		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	0.96		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.038		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-28

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP	
Fluoranthene	ND	0.038		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.038		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.038		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.038		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.038		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.038		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.77		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 1/29/2019		Analyst: GVC	
Aroclor 1016	ND	0.093		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.093		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.093		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.093		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.093		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.093		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.093		mg/Kg-dry	1	1/29/2019

Qualifiers: ND - Not Detected at the Reporting Limit  
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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-28

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.019		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.039		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	14000	21		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.1		mg/Kg-dry	10	1/26/2019
Arsenic	7.0	1.1		mg/Kg-dry	10	1/26/2019
Barium	73	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.83	0.54		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.54		mg/Kg-dry	10	1/26/2019
Calcium	76000	64		mg/Kg-dry	10	1/26/2019
Chromium	34	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	14	1.1		mg/Kg-dry	10	1/26/2019
Copper	30	2.7		mg/Kg-dry	10	1/26/2019
Iron	32000	32		mg/Kg-dry	10	1/26/2019
Lead	17	0.54		mg/Kg-dry	10	1/26/2019
Magnesium	37000	32		mg/Kg-dry	10	1/26/2019
Manganese	490	1.1		mg/Kg-dry	10	1/26/2019
Nickel	44	1.1		mg/Kg-dry	10	1/26/2019

Qualifiers: ND - Not Detected at the Reporting Limit  
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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-28

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/25/2019		Analyst: MDT	
Potassium	3200	32		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	350	64		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	28	1.1		mg/Kg-dry	10	1/26/2019
Zinc	63	5.4		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/29/2019		Analyst: MDT	
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.53	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.017	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	1.5	0.25		mg/L	5	1/29/2019
Lead	ND	0.0050		mg/L	5	1/29/2019
Manganese	3.5	0.010		mg/L	5	1/29/2019
Nickel	ND	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/29/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/28/2019		Analyst: LB	
Mercury	0.027	0.023		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/27/2019		Analyst: MD	
Cyanide	ND	0.29		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/25/2019		Analyst: JT	
pH	7.81			pH Units	1	1/25/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/24/2019		Analyst: RW	
Percent Moisture	15.1	0.2	*	wt%	1	1/25/2019

Qualifiers:

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\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-29

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/24/2019		Analyst: AET
Acetone	ND	0.075		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0050		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0050		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.010		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.075		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.050		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.010		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0050		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.010		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.020		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0050		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0050		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0050		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-29

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.41		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benztidine	ND	0.40		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-29

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP	
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.040		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.82		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 1/29/2019		Analyst: GVC	
Aroclor 1016	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.097		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.097		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-29

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.019		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	16000	22		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/26/2019
Arsenic	11	1.1		mg/Kg-dry	10	1/26/2019
Barium	69	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.88	0.55		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.55		mg/Kg-dry	10	1/26/2019
Calcium	97000	66		mg/Kg-dry	10	1/26/2019
Chromium	31	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	21	1.1		mg/Kg-dry	10	1/26/2019
Copper	39	2.8		mg/Kg-dry	10	1/26/2019
Iron	32000	33		mg/Kg-dry	10	1/26/2019
Lead	18	0.55		mg/Kg-dry	10	1/26/2019
Magnesium	45000	33		mg/Kg-dry	10	1/26/2019
Manganese	670	1.1		mg/Kg-dry	10	1/26/2019
Nickel	54	1.1		mg/Kg-dry	10	1/26/2019

**Qualifiers:**

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-29

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 8:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Potassium	3800	33		mg/Kg-dry	10	1/26/2019
Selenium	1.2	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	240	66		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	33	1.1		mg/Kg-dry	10	1/26/2019
Zinc	68	5.5		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/29/2019		Analyst: MDT
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.52	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.063	0.010		mg/L	5	1/29/2019
Copper	0.14	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	0.0095	0.0050		mg/L	5	1/29/2019
Manganese	5.2	0.010		mg/L	5	1/29/2019
Nickel	0.12	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	0.066	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/29/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/28/2019		Analyst: LB
Mercury	0.029	0.022		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/27/2019		Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/25/2019		Analyst: JT
pH	7.91			pH Units	1	1/25/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/24/2019		Analyst: RW
Percent Moisture	18.6	0.2		wt%	1	1/25/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-30

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/24/2019		Analyst: AET
Acetone	ND	0.088		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0059		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0059		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.012		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.088		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.059		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0059		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0059		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.012		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0059		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.012		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0059		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0059		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.024		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.012		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0059		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0059		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0059		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0059		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.018		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-30

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.41		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzidine	ND	0.41		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.041		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-30

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/28/2019		Analyst: FP
Fluoranthene	ND	0.041		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.041		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.041		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.82		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
Aroclor 1016	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-30

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	14000	22		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.2		mg/Kg-dry	10	1/26/2019
Arsenic	11	1.1		mg/Kg-dry	10	1/31/2019
Barium	46	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.95	0.55		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.55		mg/Kg-dry	10	1/26/2019
Calcium	54000	66		mg/Kg-dry	10	1/26/2019
Chromium	27	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	18	1.1		mg/Kg-dry	10	1/26/2019
Copper	54	2.8		mg/Kg-dry	10	1/26/2019
Iron	39000	33		mg/Kg-dry	10	1/26/2019
Lead	26	0.55		mg/Kg-dry	10	1/26/2019
Magnesium	27000	33		mg/Kg-dry	10	1/26/2019
Manganese	450	1.1		mg/Kg-dry	10	1/26/2019
Nickel	57	1.1		mg/Kg-dry	10	1/26/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-30

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>				Prep Date: 1/25/2019	Analyst: MDT
Potassium	3000	33		mg/Kg-dry	10	1/26/2019
Selenium	1.9	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	680	66		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	31	1.1		mg/Kg-dry	10	1/26/2019
Zinc	98	5.5		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>				Prep Date: 1/29/2019	Analyst: MDT
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.55	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.038	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	0.28	0.25		mg/L	5	1/29/2019
Lead	ND	0.0050		mg/L	5	1/29/2019
Manganese	4.8	0.010		mg/L	5	1/29/2019
Nickel	0.043	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>				Prep Date: 1/29/2019	Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>						
	<b>SW7471B</b>				Prep Date: 1/28/2019	Analyst: LB
Mercury	0.030	0.022		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>				Prep Date: 1/27/2019	Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>				Prep Date: 1/25/2019	Analyst: JT
pH	8.07			pH Units	1	1/25/2019
<b>Percent Moisture</b>						
	<b>D2974</b>				Prep Date: 1/24/2019	Analyst: RW
Percent Moisture	19.4	0.2		wt%	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Work Order: 19010622 Revision 1

Project: Franklin - EB

Lab ID: 19010622-014

Client Sample ID: A-31

Collection Date: 1/23/2019 9:15:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
		<b>SW5035/8260B</b>		Prep Date: 1/24/2019		Analyst: AET
Acetone	ND	0.096		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0064		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0064		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.013		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.096		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.064		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0064		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0064		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.013		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0064		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.013		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0064		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0064		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.026		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.026		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.013		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0064		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0064		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0064		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0064		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.019		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-31

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Aniline	ND	0.40		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzidine	ND	0.40		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Work Order: 19010622 Revision 1

Project: Franklin - EB

Lab ID: 19010622-014

Client Sample ID: A-31

Collection Date: 1/23/2019 9:15:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.040		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.81		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/29/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-31

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	16000	21		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.1		mg/Kg-dry	10	1/26/2019
Arsenic	11	1.1		mg/Kg-dry	10	1/26/2019
Barium	79	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.90	0.53		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.53		mg/Kg-dry	10	1/26/2019
Calcium	73000	63		mg/Kg-dry	10	1/26/2019
Chromium	29	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	19	1.1		mg/Kg-dry	10	1/26/2019
Copper	33	2.6		mg/Kg-dry	10	1/26/2019
Iron	31000	32		mg/Kg-dry	10	1/26/2019
Lead	16	0.53		mg/Kg-dry	10	1/26/2019
Magnesium	35000	32		mg/Kg-dry	10	1/26/2019
Manganese	620	1.1		mg/Kg-dry	10	1/26/2019
Nickel	49	1.1		mg/Kg-dry	10	1/26/2019

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Client: Environmental Group Services, Ltd.

Client Sample ID: A-31

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:15:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/25/2019		Analyst: MDT	
Potassium	3700	32		mg/Kg-dry	10	1/26/2019
Selenium	1.1	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	350	63		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	30	1.1		mg/Kg-dry	10	1/26/2019
Zinc	66	5.3		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/29/2019		Analyst: MDT	
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.46	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.027	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	ND	0.0050		mg/L	5	1/29/2019
Manganese	2.7	0.010		mg/L	5	1/29/2019
Nickel	0.074	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/29/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/28/2019		Analyst: LB	
Mercury	0.022	0.022		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/27/2019		Analyst: MD	
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/25/2019		Analyst: JT	
pH	7.97			pH Units	1	1/25/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/24/2019		Analyst: RW	
Percent Moisture	18.9	0.2	*	wt%	1	1/25/2019

**Qualifiers:**

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-32

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
SW5035/8260B		Prep Date: 1/24/2019		Analyst: AET		
Acetone	ND	0.078		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0052		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0052		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.010		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.078		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.052		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.010		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0052		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.010		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.021		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0052		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.016		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
SW8270C (SW3550B)		Prep Date: 1/28/2019		Analyst: FP		
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-32

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.40		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzidine	ND	0.40		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-32

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>	
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.040		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.20		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.81		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		<b>Prep Date: 1/29/2019</b>		<b>Analyst: GVC</b>	
Aroclor 1016	ND	0.096		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.096		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.096		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.096		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.096		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.096		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.096		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-32

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.019		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	15000	20		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.0		mg/Kg-dry	10	1/26/2019
Arsenic	6.6	1.0		mg/Kg-dry	10	1/26/2019
Barium	63	1.0		mg/Kg-dry	10	1/26/2019
Beryllium	0.79	0.51		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.51		mg/Kg-dry	10	1/26/2019
Calcium	74000	61		mg/Kg-dry	10	1/26/2019
Chromium	27	1.0		mg/Kg-dry	10	1/26/2019
Cobalt	15	1.0		mg/Kg-dry	10	1/26/2019
Copper	29	2.6		mg/Kg-dry	10	1/26/2019
Iron	28000	31		mg/Kg-dry	10	1/26/2019
Lead	15	0.51		mg/Kg-dry	10	1/26/2019
Magnesium	33000	31		mg/Kg-dry	10	1/26/2019
Manganese	530	1.0		mg/Kg-dry	10	1/26/2019
Nickel	42	1.0		mg/Kg-dry	10	1/26/2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-32

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:30:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Potassium	2600	31		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.0		mg/Kg-dry	10	1/26/2019
Silver	ND	1.0		mg/Kg-dry	10	1/26/2019
Sodium	740	61		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.0		mg/Kg-dry	10	1/26/2019
Vanadium	27	1.0		mg/Kg-dry	10	1/26/2019
Zinc	64	5.1		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 1/29/2019		Analyst: MDT
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.49	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.065	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	0.31	0.25		mg/L	5	1/29/2019
Lead	ND	0.0050		mg/L	5	1/29/2019
Manganese	5.9	0.010		mg/L	5	1/29/2019
Nickel	0.051	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			Prep Date: 1/29/2019		Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>						
	<b>SW7471B</b>			Prep Date: 1/28/2019		Analyst: LB
Mercury	0.024	0.021		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			Prep Date: 1/27/2019		Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			Prep Date: 1/25/2019		Analyst: JT
pH	8.10			pH Units	1	1/25/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			Prep Date: 1/24/2019		Analyst: RW
Percent Moisture	18.6	0.2	*	wt%	1	1/25/2019

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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-33

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 1/24/2019		Analyst: AET
Acetone	ND	0.069		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0046		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0046		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.0092		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.069		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.046		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.0092		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0046		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.0092		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.018		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.0092		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0046		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/29/2019

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Date Reported: February 01, 2019

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Client: Environmental Group Services, Ltd.

Client Sample ID: A-33

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 9:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.41		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzidine	ND	0.40		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019

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Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.040		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.82		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/29/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	1/29/2019

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Client: Environmental Group Services, Ltd.

Client Sample ID: A-33

Work Order: 19010622 Revision 1

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Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	16000	23		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.3		mg/Kg-dry	10	1/26/2019
Arsenic	10	1.0		mg/Kg-dry	10	1/31/2019
Barium	87	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.86	0.57		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.57		mg/Kg-dry	10	1/26/2019
Calcium	81000	68		mg/Kg-dry	10	1/26/2019
Chromium	31	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	20	1.1		mg/Kg-dry	10	1/26/2019
Copper	34	2.8		mg/Kg-dry	10	1/26/2019
Iron	29000	34		mg/Kg-dry	10	1/26/2019
Lead	17	0.57		mg/Kg-dry	10	1/26/2019
Magnesium	38000	34		mg/Kg-dry	10	1/26/2019
Manganese	570	1.1		mg/Kg-dry	10	1/26/2019
Nickel	50	1.1		mg/Kg-dry	10	1/26/2019

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Collection Date: 1/23/2019 9:45:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 1/25/2019	Analyst: MDT
Potassium	3900	34		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	240	68		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	31	1.1		mg/Kg-dry	10	1/26/2019
Zinc	69	5.7		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>				Prep Date: 1/29/2019	Analyst: MDT
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.95	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.11	0.010		mg/L	5	1/29/2019
Copper	0.14	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	0.0087	0.0050		mg/L	5	1/29/2019
Manganese	5.2	0.010		mg/L	5	1/29/2019
Nickel	0.17	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	0.064	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>				Prep Date: 1/29/2019	Analyst: LB
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 1/28/2019	Analyst: LB
Mercury	0.025	0.023		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 1/27/2019	Analyst: MD
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 1/25/2019	Analyst: JT
pH	8.23			pH Units	1	1/25/2019
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 1/24/2019	Analyst: RW
Percent Moisture	20.0	0.2		wt%	1	1/25/2019

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Work Order: 19010622 Revision 1

Project: Franklin - EB

Lab ID: 19010622-017

Client Sample ID: A-34

Collection Date: 1/23/2019 10:00:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/24/2019		Analyst: AET
Acetone	ND	0.071		mg/Kg-dry	1	1/25/2019
Benzene	ND	0.0047		mg/Kg-dry	1	1/25/2019
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
Bromoform	ND	0.0047		mg/Kg-dry	1	1/25/2019
Bromomethane	ND	0.0095		mg/Kg-dry	1	1/25/2019
2-Butanone	ND	0.071		mg/Kg-dry	1	1/25/2019
Carbon disulfide	ND	0.047		mg/Kg-dry	1	1/25/2019
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	1/25/2019
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	1/25/2019
Chloroethane	ND	0.0095		mg/Kg-dry	1	1/25/2019
Chloroform	ND	0.0047		mg/Kg-dry	1	1/25/2019
Chloromethane	ND	0.0095		mg/Kg-dry	1	1/25/2019
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	1/25/2019
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/25/2019
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/25/2019
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	1/25/2019
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/25/2019
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/25/2019
Methylene chloride	ND	0.0095		mg/Kg-dry	1	1/25/2019
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	1/25/2019
Styrene	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
Toluene	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	1/25/2019
Trichloroethene	ND	0.0047		mg/Kg-dry	1	1/25/2019
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	1/25/2019
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/25/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 1/28/2019		Analyst: FP
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/29/2019

**Qualifiers:**  
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Date Reported: February 01, 2019

Date Printed: February 01, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: A-34

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 10:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 1/28/2019</b>		<b>Analyst: FP</b>
Aniline	ND	0.41		mg/Kg-dry	1	1/29/2019
Anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzdine	ND	0.40		mg/Kg-dry	1	1/29/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/29/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/29/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Carbazole	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/29/2019
Chrysene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/29/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/29/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/29/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/29/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/29/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	1/29/2019

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Client: Environmental Group Services, Ltd.

Client Sample ID: A-34

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 10:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 1/28/2019</b>	<b>Analyst: FP</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/29/2019
Fluorene	ND	0.040		mg/Kg-dry	1	1/29/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/29/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/29/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Isophorone	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	1/29/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/29/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/29/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/29/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	1/29/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/29/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	1/29/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Phenol	ND	0.21		mg/Kg-dry	1	1/29/2019
Pyrene	ND	0.040		mg/Kg-dry	1	1/29/2019
Pyridine	ND	0.82		mg/Kg-dry	1	1/29/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/29/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 1/29/2019</b>	<b>Analyst: GVC</b>
Aroclor 1016	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	1/29/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	1/29/2019

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**ANALYTICAL RESULTS**

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Client Sample ID: A-34

Work Order: 19010622 Revision 1

Collection Date: 1/23/2019 10:00:00 AM

Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 1/29/2019		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	1/29/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	1/29/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Chlordane	ND	0.020		mg/Kg-dry	1	1/29/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	1/29/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	1/29/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	1/29/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	1/29/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	1/29/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 1/25/2019		Analyst: MDT
Aluminum	14000	23		mg/Kg-dry	10	1/26/2019
Antimony	ND	2.3		mg/Kg-dry	10	1/26/2019
Arsenic	9.0	1.1		mg/Kg-dry	10	1/26/2019
Barium	91	1.1		mg/Kg-dry	10	1/26/2019
Beryllium	0.85	0.56		mg/Kg-dry	10	1/26/2019
Cadmium	ND	0.56		mg/Kg-dry	10	1/26/2019
Calcium	79000	68		mg/Kg-dry	10	1/26/2019
Chromium	28	1.1		mg/Kg-dry	10	1/26/2019
Cobalt	19	1.1		mg/Kg-dry	10	1/26/2019
Copper	32	2.8		mg/Kg-dry	10	1/26/2019
Iron	27000	34		mg/Kg-dry	10	1/26/2019
Lead	15	0.56		mg/Kg-dry	10	1/26/2019
Magnesium	37000	34		mg/Kg-dry	10	1/26/2019
Manganese	550	1.1		mg/Kg-dry	10	1/26/2019
Nickel	46	1.1		mg/Kg-dry	10	1/26/2019

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Project: Franklin - EB

Matrix: Soil

Lab ID: 19010622-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 1/25/2019		Analyst: MDT	
Potassium	3700	34		mg/Kg-dry	10	1/26/2019
Selenium	ND	1.1		mg/Kg-dry	10	1/26/2019
Silver	ND	1.1		mg/Kg-dry	10	1/26/2019
Sodium	250	68		mg/Kg-dry	10	1/26/2019
Thallium	ND	1.1		mg/Kg-dry	10	1/26/2019
Vanadium	30	1.1		mg/Kg-dry	10	1/26/2019
Zinc	60	5.6		mg/Kg-dry	10	1/26/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/29/2019		Analyst: MDT	
Antimony	ND	0.015		mg/L	5	1/29/2019
Arsenic	ND	0.010		mg/L	5	1/29/2019
Barium	0.84	0.050		mg/L	5	1/29/2019
Beryllium	ND	0.0050		mg/L	5	1/29/2019
Cadmium	ND	0.0050		mg/L	5	1/29/2019
Chromium	ND	0.010		mg/L	5	1/29/2019
Cobalt	0.064	0.010		mg/L	5	1/29/2019
Copper	ND	0.10		mg/L	5	1/29/2019
Iron	ND	0.25		mg/L	5	1/29/2019
Lead	ND	0.0050		mg/L	5	1/29/2019
Manganese	2.6	0.010		mg/L	5	1/29/2019
Nickel	0.13	0.020		mg/L	5	1/29/2019
Selenium	ND	0.010		mg/L	5	1/29/2019
Silver	ND	0.010		mg/L	5	1/29/2019
Thallium	ND	0.0050		mg/L	5	1/29/2019
Vanadium	ND	0.010		mg/L	5	1/29/2019
Zinc	ND	0.050		mg/L	5	1/29/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/29/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/29/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/28/2019		Analyst: LB	
Mercury	0.024	0.022		mg/Kg-dry	1	1/29/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 1/27/2019		Analyst: MD	
Cyanide	ND	0.31		mg/Kg-dry	1	1/27/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/25/2019		Analyst: JT	
pH	8.05			pH Units	1	1/25/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/24/2019		Analyst: RW	
Percent Moisture	20.4	0.2	*	wt%	1	1/25/2019

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19010622

**CHAIN OF CUSTODY RECORD**

Nº:

Page: of

Company: EGSL

Project Number:

Client Tracking No.:

P.O. No.:

Project Name: FRANKLIN - EB

Quote No.:

Project Location:

Sampler(s):

Report To: BILL @ EGSL.COM

Phone:

Fax:

QC Level: 1 2 3 4

e-mail:

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
A-18	1/23	0600	S		X		4
A-19		0615					
A-20		0630					
A-21		0645					
A-22		0700					
A-23		0715					
A-24		0730					
A-25		0745					
A-26		0800					
A-27		0815					
A-28		0830					
A-29		0845					
A-30		0900					
A-31		0915					
A-32		0930					
A-33		0945					
A-34		1000					

TEL + 18 TELP + PH

Turn Around:  
4-DAY  
 Results Needed:

Remarks

001  
002  
003  
004  
005  
006  
007  
008  
009  
010  
011  
012  
013  
014  
015  
016  
017

Relinquished by: (Signature) [Signature]

Date/Time: 1/23/19 1200

Received by: (Signature) [Signature]

Date/Time: 1/24/19 9:20

Relinquished by: (Signature) [Signature]

Date/Time: 1/24/19 9:38

Received by: (Signature) [Signature]

Date/Time: 1/24/19 9:38

Relinquished by: (Signature) [Signature]

Date/Time:

Received by: (Signature)

Date/Time:

Comments:

4-DAY TAT  
THANK YOU!

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH  
 D = H<sub>2</sub>SO<sub>4</sub> E = HCl F = 3035/EnCore G = Other

4.2°C

**Sample Receipt Checklist**

Client Name EGSL

Date and Time Received: 1/24/2019 9:38:00 AM

Work Order Number 19010622

Received by: EAA

Checklist completed by:

EW 1/24/19  
Signature Date

Reviewed by:

SA 1/24/19  
Initials Date

Matrix:

Carrier name STAT Analysis

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature 4.2 °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:

## **APPENDIX I – IEPA January 18, 2019 Comment Letter and Requested Maps**



## **APPENDIX E**

IEPA Site Remediation Program Summary, March 29, 2019

Site Remediation Program (SRP) Checklist		
LPC#: 0310965121	LP52: 07D	Date: March 29, 2019
A.	<u>Database Summary</u>	
1. SRP File Heading	0310965121/Cook County Franklin Park/Magellan Pipeline Site Remediation/Technical Reports	
2. General Site Information	Magellan Pipeline 10601 Franklin Avenue Franklin Park, IL 60131 Size of the Site: 48 acres PIN(s): 12-20-401-020	
3. Remedial Applicant (RA)	Bridge Development Partners Attn: Mark Houser 1000 Irving Park Road, Suite 150 Itasca, IL 60143 847-531-3980	
4. Consultant	EGSL Attn: Bill Lennon 557 West Polk Street, Suite 201 Chicago, IL 60607 312-447-1200 bill@egsl.com	
5. Property Owner	Melanie Little Magellan Pipeline Company, L.P. One Williams Center MD 28 Tulsa, OK 74172 918-574-7531	
6. RELPE	NA	
7. Illinois EPA Project Manager	Andrew Catlin 217-524-3290 andrew.catin@illinois.gov	
8. DRM-1	Date Received: July 26, 2017 Log No: 17-65156	
9. Right To Know (IAC Part 1600)	Date Completed: June 6, 2011 Reviewed Not Referred: <input checked="" type="checkbox"/> Reviewed Referred: <input type="checkbox"/>	
10. Environmental Justice Area	NA	
11. Site Investigation Report (SIR)	Date Received: 08/15/17 Log No. 17-65297	
12. Remedial Objectives (ROR)	Date Received: 08/15/17 Log No. 17-65297	
13. Remedial Action Plan (RAP)	Date Received: 08/15/17 Log No. 17-65297	
14. Remedial Action Completion Report (RACR)	Date Received: 02/07/19 Log No. 19-68700 Supplement: 05/30/19 Log No. 19-69413	
15. LUST Incidents	903578 – LUST NFR issued 12/22/98	
16. IEMA Incidents	991878, 990556, 20140897	
17. Consent Order/CCAs	NA	

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REVIEWER: SAB

<b>B.</b>	<b><u>Project Summary:</u></b>
<b>1.</b>	<p><b>Type of NFR Letter Requested:</b></p> <p><b>Land Use:</b> Residential and/or Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Industrial/Commercial <input checked="" type="checkbox"/></p> <p><b>Investigation:</b> Comprehensive <input checked="" type="checkbox"/> Focused <input type="checkbox"/></p>
<b>2.</b>	<p><b><u>Site Description:</u></b></p> <p><b>Physical Description of the Site including past, current and future land use:</b></p> <p>The site was previously occupied by Magellan Pipeline Company since at least 1931 and was used for the bulk storage of petroleum products. Prior to redevelopment, the site was improved with one 2,240 square foot office building, one 6,000 square foot loading rack building, one 800 square foot garage building and 20 above ground storage tanks (ASTs) ranging in size from 500 to 2,300,000 gallons. The property also contained underground and aboveground pipelines, gravel roads throughout the property and abandoned railroad tracks on the northeastern portion of the property. All of these historic structures (buildings, tanks, pipelines, rail road tracks, etc.) were removed from the site as part of the redevelopment activities. Redevelopment consisted of the construction of three large, slab-on-grade, single story warehouse buildings of 174,646, 277, 805 and 203,802 square feet, construction of associated asphalt and concrete parking areas and sidewalks, construction of two stormwater retention basins and placement of an alternative barrier in landscaped areas.</p> <p>The site is relatively flat and largely covered by buildings and associated parking areas. Undeveloped areas include the retention basins and the western edge of the site where Silver Creek runs through the site from north to south.</p> <p><b>Are there buildings (as defined for indoor inhalation) on-site:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><b>If yes, description of Building(s):</b></p> <p>Three slab-on-grade warehouse buildings are present on-site covering 174,646, 277, 805 and 203,802 square feet.</p> <p><b>Regional location and Surrounding Land Uses:</b></p> <p>The site is located in a largely industrial/commercial area of Franklin Park. It is bounded on the north by Franklin Avenue and Interstate 294, on the east and west by developed industrial/commercial properties and on the south by Belmont Avenue across which are developed industrial/commercial properties. Adjacent to the southeast corner of the property across Belmont avenue is a residential area.</p>
<b><u>Investigation Summary:</u></b>	
<b>3a.</b>	<p><b><u>Investigation History and Recognized Environmental Conditions (RECs):</u></b></p> <p><i>November 1986</i> – In November of 1986 24,000 gallons of gasoline were released near Tank 272. 10,400 gallons were immediately recovered. Limited soil excavation and discing activities were then conducted to address the release. In 1987 a subsurface investigation was conducted in</p>

response to the release consisting of seven soil borings (TB-1 through TB-7), installation of seven monitoring wells (MW-1 through MW-7) and the collection of surface water samples. Little information about this investigation is available.

*1998* – An additional ten monitoring wells (MW-08 through MW-17) were installed at the site to form a perimeter monitoring network. No details concerning this work were available.

*March 1999* – 42-48 gallons of a mixture of gasoline, diesel fuel and water were released from a product recovery sump. IEMA incident number 991878 was assigned to this release. Absorbent pads and absorbent booms were placed around the area and standing product was vacuumed and placed back into the sump. Affected soil, grass and crushed stone were then excavated to a depth of 3 to 6 inches. Approximately 10 cubic yards of soil were removed for off-site disposal. The excavated area was backfilled with clean soil.

*April 1999* – Environmental Strategies Consulting, LLC (ESC) collected soil samples from nine soil borings (P-1 through P-9) to evaluate soil conditions following the March 1999 release. Two additional samples (P-4a and P-5a) were collected following additional soil excavation work that was conducted after the initial soil excavation activities. The soil samples were analyzed for BETX and PNAs.

*August 1999* – Approximately 90 gallons of a gasoline and diesel fuel mixture was released from the sump system in the same area as the March 1999 release. IEMA Incident number 990556 was assigned to this release. Absorbent pads, buckets and a vacuum truck were used to collect product immediately following the release. Affected soil was then excavated from the release area to a depth of 3 to 8 feet below grade. A total of approximately 225 cubic yards of soil were removed and disposed of off-site. The excavation was backfilled with clean soil. An additional monitoring well (MW-19) was also installed sometime in 1999.

*April 2004* – Environmental Strategies Consultants (ESC) conducted slug test on three wells (MW-8, MW-16 and MW-19) resulting in values of  $3.54 \times 10^{-6}$  to  $3.08 \times 10^{-4}$  cm/sec. and sampled monitoring wells MW-01 through MW-08, MW-10, MW-12 through 14 and MW-16 through MW-19. The groundwater samples were analyzed for BETX and Hexane.

*April 2017* – Weaver Consulting Group (WCG) advanced 74 soil borings and collected 82 soil samples and two sediment samples from Silver Creek. The samples were analyzed for the Target Compound List parameters, or some combination of VOCs, PNAs, RCRA metals TPH, TCLP metals, SPLP metals, foc and pH. In addition, all existing monitoring wells (installed previously at the site with little background concerning dates and details of their installation) were sampled (twelve existing wells MW-01, MW-03 through MW-06, MW-08, MW-10, MW-12, and MW-14A through MW-19) and two temporary monitoring wells (TW-01 and TW-02) were installed and sampled. Groundwater samples were analyzed for the Target Compound List parameters or BTEX, MTBE, PNAs, total and dissolved RCRA metals.

*November 2017* – EGSL removed 11,834 tons of impacted soils from four excavation areas and disposed of the soil off-site. A total of 40 floor and sidewall samples were collected from the excavations and disposed of off-site. The samples were analyzed for BETX and GRO, DRO and ERO range TPH. [Excavation area #3 included the former location of the 6,000-gallon diesel UST associated with LUST Incident #903578]

*May 2018* – EGSL collected 9 soil gas samples (SG-1N, SG-1C, SG-1S, SG-2N, SG-2C, SG-2S, SG-3N, SG-3C, and SG-3S) throughout the site.

*July 2018* – EGSL advanced five soil borings (B-101 through B-105) at the site to complete delineation of contaminants. Soil sample were collected and analyzed for either benzene, 2-methylnaphthalene or 1,1,2,2-tetrachlorethane or a combination of these parameters.

	<p><i>October 2018</i> – EGSL excavated two areas along Silver Creek to address Arsenic exceedances that will not be covered by proposed engineered barriers. A total of ten floor and sidewall samples were collected from the excavations and analyzed for arsenic.</p> <p><i>April 2019</i> – EGSL excavated two areas west of Silver Creek at sampling locations HA-03 and HA-05 where arsenic concentrations were identified above applicable soil ingestion objectives. Approximately 0.25 cubic yards of material were removed, and ten confirmation samples were collected (4 sidewall and one floor from each excavation location) and analyzed for total arsenic.</p> <p><i>May 2019</i> – EGSL returned to over excavate the previous excavation at the HA-05 location to address two sidewall samples that exceeded the applicable soil ingestion objectives. An additional 0.125 cubic yards of material was removed, and two sidewall samples were collected and sent for analysis for total arsenic. Both samples were below the applicable Tier 1 soil ingestion objective (13 mg/kg) for total arsenic.</p> <p><b>PCBs</b> No <input type="checkbox"/> Yes &lt; 1 <input checked="" type="checkbox"/> Yes &gt;1 <input type="checkbox"/></p> <p><b>Soil Gas Samples Collected:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><b>Free Product</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
3b.	<p><b><u>Geology and Hydrogeology:</u></b> Class I <input checked="" type="checkbox"/> Class II <input type="checkbox"/></p> <p><b><u>Soil:</u></b></p> <p>On-site investigative activities generally encountered topsoil or fill materials consisting of gravel and or silty/sand from the ground surface to six inches to two feet below ground surface (bgs). Beneath the surface materials was brown and gray mottled silty clay containing some gravel and sand to depths of nine to ten feet bgs. Beneath the silty clay is a lean clay that extends to the maximum depth investigated of 30 feet bgs. Within the silty clay unit gray sandy silt and grey silty sand were encountered in some borings.</p> <p>foc: <input checked="" type="checkbox"/> Value: Five samples were collected that ranged from 1.13 to 5.8 percent. FOC samples were not approved for calculating Tier 2 objectives.</p> <p><b><u>Groundwater:</u></b></p> <p>Groundwater was generally encountered at between four and seven feet below ground surface.</p> <p><b><u>Hydrogeologic Data:</u></b>          Hydraulic Conductivity: <math>3.08 \times 10^{-4}</math> cm/sec (value used in modeling)          Hydraulic Gradient: 0.009 ft/ft          Groundwater Flow Direction: Variable to the south/southwest on the western portion of the site and to the south/southeast on the eastern portion of the site.</p> <p><b><u>Surface Water:</u></b> The nearest surface water body is Silver Creek which runs through the western edge of the site.</p>
	<ul style="list-style-type: none"> <li>Is the site within the setback zone of a potable well: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></li> <li>Are any potable private wells within 1000 feet or public wells within 2500 feet of the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></li> </ul>



- The distance and direction to the closest wells: No potable wells were identified within the search radius.
- Is contamination measured or modeled within the setback zone of a potable well?  
Yes ☐ No ☒

**Regulatory Requirements/Determinations:**

4

**Remediation Objectives:**

**Tier Level:** Tier 1 ☒ Tier 2 ☒ Tier 3 ☐

**Land Use Scenario:** Residential and/or Industrial/Commercial ☐ Industrial/Commercial ☒

**Groundwater Classification:** Class I ☒ Class II ☐ Class III ☐

Exposure Route and Medium	Contaminants exceeding Tier 1 objectives	How Exceedances are Addressed
<b>SOIL</b>		
Soil Ingestion (mg/kg) :	Arsenic	The exposure route was excluded utilizing engineered barriers consisting of building foundations, concrete and asphalt pavement and an alternate barrier consisting of 18 inches of clean soil over a Mirafi 180N geotextile that will cover the entire site with the exception of the area immediately along and west of Silver Creek. Soil excavation and removal was used to address exceedances within, immediately along and west of Silver Creek that will not be covered by engineered barriers.
Soil Outdoor Inhalation (mg/kg) :	Benzene Naphthalene Ethylbenzene	The exposure route was excluded utilizing the concrete building foundation and concrete and asphalt pavement as engineered barriers to eliminate exposure to the contaminants.
<b>Construction Worker Exposure Route</b>		
Soil Ingestion (mg/kg)	None	
Soil Outdoor Inhalation (mg/kg)	Benzene Naphthalene Ethylbenzene Xylenes Mercury	The exposure route was excluded utilizing an institutional control requiring a worker safety plan for any work conducted within the impacted soils.

<b>Soil Component to the Groundwater Ingestion Exposure Route</b>		
Soil Component of Groundwater Ingestion (mg/kg) <input type="checkbox"/> SPLP/TCLP (mg/L) <input type="checkbox"/>	Benzene Ethylbenzene Xylene 1,1,2,2-Tetrachlorethane 2-Methylnaphthalene	The exposure route was excluded utilizing an on-site groundwater use restriction as an institutional control.
<b>GROUNDWATER</b>		
Groundwater Ingestion (mg/L)	Benzene Iron	The exposure route was excluded utilizing an on-site groundwater use restriction as an institutional control.
<b>INDOOR INHALATION</b>		
<b>Volatile Chemicals Detected Soil <input checked="" type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Soil Gas <input checked="" type="checkbox"/></b> <b>If detected and no exceedance of Table H or I, slab on-grade restriction needed.</b>		
Groundwater (mg/L)	Benzene	Soil gas samples were collected in areas of groundwater exceedances. Soil gas sample results did not exceed the Tier 1, Table H remediation objectives.
Soil Gas (mg/m <sup>3</sup> )	None	

**Description of how the remediation objectives meet the Tiered Approach to Corrective Action Objectives ("TACO") criteria (35 Ill. Adm. Code 742):**

**5a. Alternative Assessments Performed to Demonstrate Compliance:**

**ProUCL ☐ Explain:**

**Alternate Barrier ☒**

**Type:** 18 inches of clean soil over a Mirafi 180N geotextile for exclusion of the ingestion exposure route.

**Approval Date:** March 18, 2019

**Area Background ☐ Explain:**

**Unfiltered vs Filtered ☐ Explain:**

**Other ☐ Explain:**

**Tier 3 ☐**

<b>Risk Assessment</b>	<input type="checkbox"/> <b>Approval Date:</b>
<b>Sealed Sump</b>	<input type="checkbox"/> <b>Approval Date:</b>
<b>Alternative Model</b>	<input type="checkbox"/> <b>Approval Date:</b>
<b>Impractical Remediation</b>	<input type="checkbox"/> <b>Approval Date:</b>
<b>Exposure Route Exclusion</b>	<input type="checkbox"/> <b>Approval Date:</b>
<b>Other</b>	<input type="checkbox"/> <b>Approval Date:</b>

**Explain:**

5b	<p><b><u>Remedial Action(s) Performed:</u></b></p> <p>Limited remedial efforts were conducted in response to releases at the site and are discussed in Section 3a above. After entrance into the SRP program, remediation conducted in pursuit of the NFR determination included the excavation of soil above soil saturation limits and soil attenuation limits in four excavations resulting in the removal and off-site disposal of 11,834 tons of impacted soil. In addition, four small excavations were conducted to address arsenic exceedances along and west of silver creek resulting in the removal and off-site disposal of three 55-gallon drums of impacted soil.</p> <p>For PCBs &gt;1 ppm, was USEPA approval received? No <input type="checkbox"/> Yes <input type="checkbox"/> Date: NA</p>
6.	<p><b><u>Site Specific Modeling:</u></b></p> <p>Groundwater modeling was conducted utilizing equations S17, R14 and R26 to determine the maximum distance contaminants might migrate before meeting the Class 1 groundwater standards and the surface water quality standards. Modeling demonstrated that contaminants would not migrate beyond the Remediation Site boundary above the Class 1 standard and would not migrate to Silver Creek above the surface water quality standards.</p> <p>If R26 was used, does modeling indicate contamination may migrate off-site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
7.	<p style="text-align: center;"><b><u>NFR Letter Restrictions</u></b></p> <p><b><u>Institutional Controls:</u></b></p> <p>Soil:</p> <ul style="list-style-type: none"> <li>• Industrial/Commercial Land Use <input checked="" type="checkbox"/></li> <li>• Construction Worker Caution <input checked="" type="checkbox"/></li> <li>• Highway Authority Agreement <input type="checkbox"/></li> <li>• Environmental Land Use Control (ELUC) <input type="checkbox"/></li> <li>• Other <input type="checkbox"/> Explain:</li> </ul> <p>Groundwater:</p> <ul style="list-style-type: none"> <li>• Municipal Ordinance <input type="checkbox"/> Number:                      Notification Required? Yes <input type="checkbox"/> No <input type="checkbox"/></li> <li>• On-site Groundwater Use Restriction <input checked="" type="checkbox"/></li> <li>• Highway Authority Agreement (HAA) <input type="checkbox"/></li> <li>• Environmental Land Use Control (ELUC) <input type="checkbox"/></li> </ul> <p>Indoor Inhalation:</p> <ul style="list-style-type: none"> <li>• Any existing or potential building has a full concrete slab-on-grade or full concrete basement floor and walls. <input checked="" type="checkbox"/></li> <li>• Building Control <input type="checkbox"/>                      Current <input type="checkbox"/>                      Future <input type="checkbox"/></li> </ul> <p style="margin-left: 100px;">Sub-slab depressurization (SSD) system <input type="checkbox"/></p> <p style="margin-left: 100px;">Sub-membrane depressurization (SMD) system <input type="checkbox"/></p> <p style="margin-left: 100px;">Membrane barrier system <input type="checkbox"/></p>

	<p>Vented raised floors <input type="checkbox"/></p> <p>Other <input type="checkbox"/> Details:</p> <ul style="list-style-type: none"> <li>• Sealed Sump <input type="checkbox"/></li> <li>• Environmental Land Use Control <input type="checkbox"/></li> </ul> <hr/> <p><b><u>Engineered Barriers:</u></b></p> <p>Type of Barrier:</p> <ul style="list-style-type: none"> <li>• Clean Soil <input type="checkbox"/> 3' <input type="checkbox"/> Ingestion 10' <input type="checkbox"/> Ingestion <input type="checkbox"/> Inhalation <input type="checkbox"/></li> <li>• Asphalt <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/></li> <li>• Concrete Pavement <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/></li> <li>• Concrete Building Slab <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/></li> <li>• Alternative Barrier <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/></li> </ul> <p>Details: 18 inches of clean soil over a Mirafi 180N geotextile.</p>
<b>Other:</b>	
<b>8.</b>	<b>USEPA involvement: NA</b>

**NFR Institutional Control-SRP**  
Form 2

JUL 05 2019

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LPC # 0310965121 -Cook County  
Franklin Park/Magellan Pipeline  
SRP/Technical Reports

The Remaining soil or groundwater concentrations for the contaminants of concern:

**Soil – Inhalation and Ingestion**

- ☒ Less than 100X the Tier I Residential
- ☐ 100X to 1000X the Tier I Residential Criteria
- ☐ 1000X to 10,000X the Tier I Residential
- ☐ Greater than 10,000X the Tier I Residential Criteria

**Groundwater**

- ☒ Less than 100X the Tier I Criteria
- ☐ 100X to 1000X the Tier I Criteria
- ☐ 1000X to 10,000X the Tier I Criteria
- ☐ Greater than 10,000X the Tier I Criteria
- ☐ No groundwater encountered

**Determination**

Special Category \_\_\_\_\_

Recommended Inspection Frequency Every \_\_\_\_\_ Years

Special Category Requires Section Manager Signature \_\_\_\_\_

## **APPENDIX F**

Supplement to the February 1, 2019 RACR



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 (217)782-3397  
JB PRITZKER, GOVERNOR ALEC MESSINA, DIRECTOR

217/524-3290

January 17, 2019

Mr. Mark Houser  
Bridge Development Partners  
1000 Irving Park Road, Suite 150  
Itasca, IL 60143

Re: LPC# 0310965121 – Cook County  
Franklin Park/Magellan Pipeline  
Site Remediation/Technical Reports

Dear Mr. Houser:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the *Response to IEPA's Comments from the June 8, 2018 Comment Letter Disapproving the EGSL Comprehensive Site Investigation Report/Remediation Objectives Report/Remedial Action Plan Report and Addendums (CSIR/ROR/RAP)*, dated July 20, 2018 and the *Supplement to EGSL's July 20, 2018 Response Letter to IEPA*, dated October 25, 2018 (Illinois EPA Log Nos. 18-67565 and 18-68243) prepared by Environmental Group Services Limited for the Site Remediation Project located at 10601 Franklin Avenue, Franklin Park, Illinois. The documents referenced above have been approved with the following comments.

1. In a January 15, 2019 e-mail, EGSL provided the Illinois EPA with an electronic copy of a site base map showing the locations of soil gas sampling locations in relationship to the groundwater sampling locations. Please include a hard copy of this map in the Remedial Action Completion Report for inclusion in the Illinois EPA's permanent file.
2. Figures 3 and 2B were not included in the hard copy of the *Supplement to EGSL's July 20, 2018 Response Letter to IEPA*, dated October 25, 2018. Please include hard copies of these maps in the Remedial Action Completion Report for inclusion in the Illinois EPA's permanent file.

Please submit two (2) copies of all future reports or correspondence to the Illinois EPA regarding this site. Also, the Illinois EPA requests not less than fourteen (14) calendar days notification of all future site investigation and remedial activities in order to coordinate Illinois EPA oversight. This notification is particularly important when groundwater or soil samples are being collected. Failure to notify the Illinois EPA may invalidate sample analysis results and/or other site

activities. If you have any questions regarding the comments above, I may be contacted at the address or telephone number above.

Sincerely,

*Andrew M. Catlin*

NK  
Andrew M. Catlin, L.P.G.  
Project Manager  
Voluntary Site Remediation Unit  
Remedial Project Management Section  
Division of Remediation Management  
Bureau of Land

cc: Melanie Little  
Magellan Pipeline Company, L.P.  
One Williams Center MD 28  
Tulsa, OK 74172

William Lennon  
EGSL  
bill@egsl.com

Bureau of Land File





egsl

ENVIRONMENTAL  
GROUP SERVICES  
LIMITED

Legend:

- Subject Property
- Soil Boring
- Benzene Plume

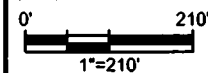
**Subject Property:**  
10601 Franklin Ave  
Franklin Park, IL

**EGSL Project No.**  
1703287

**Drawing Title**  
Figure 2B: Benzene I/C and  
CW Inhalation Plume

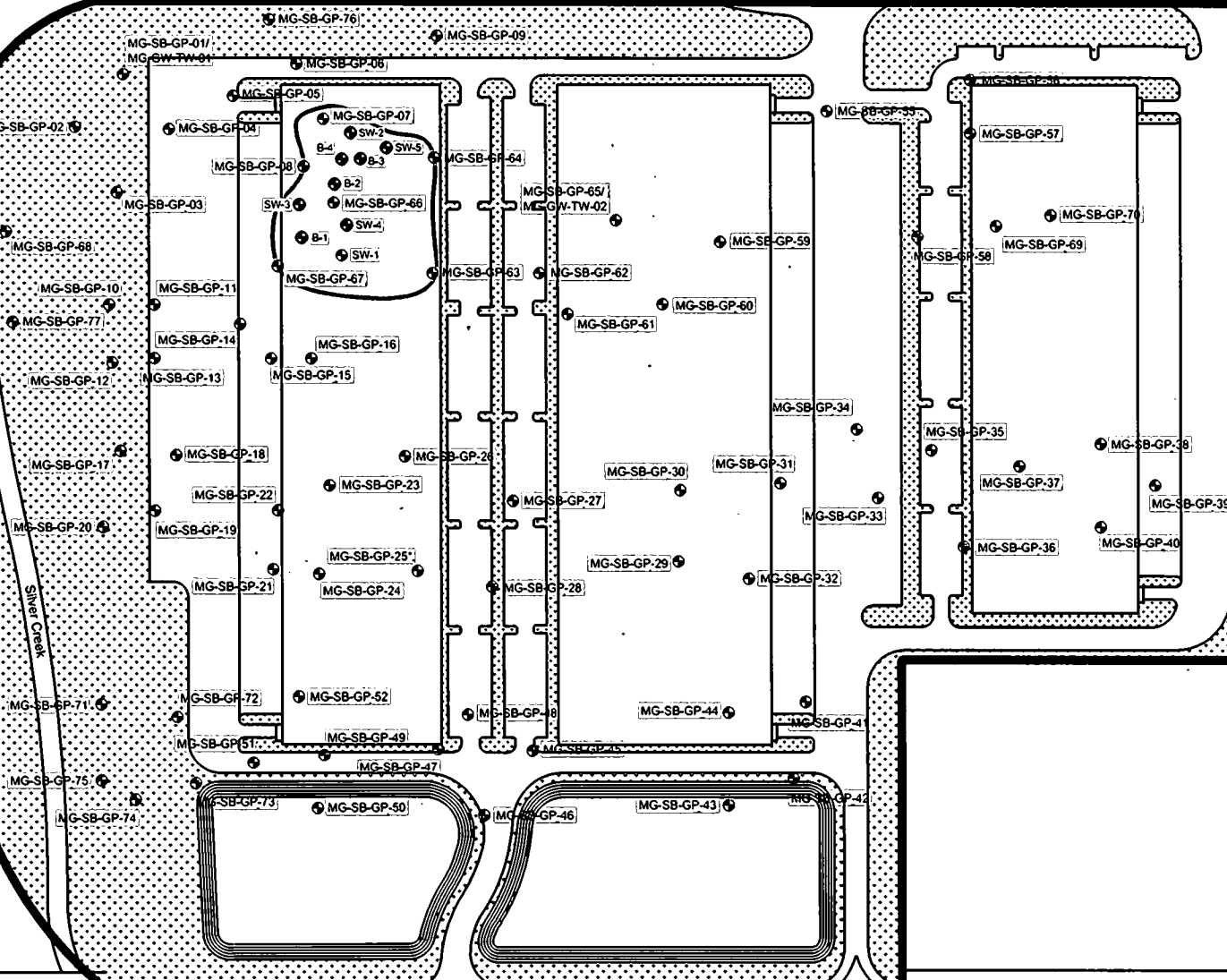
**Date**  
6/25

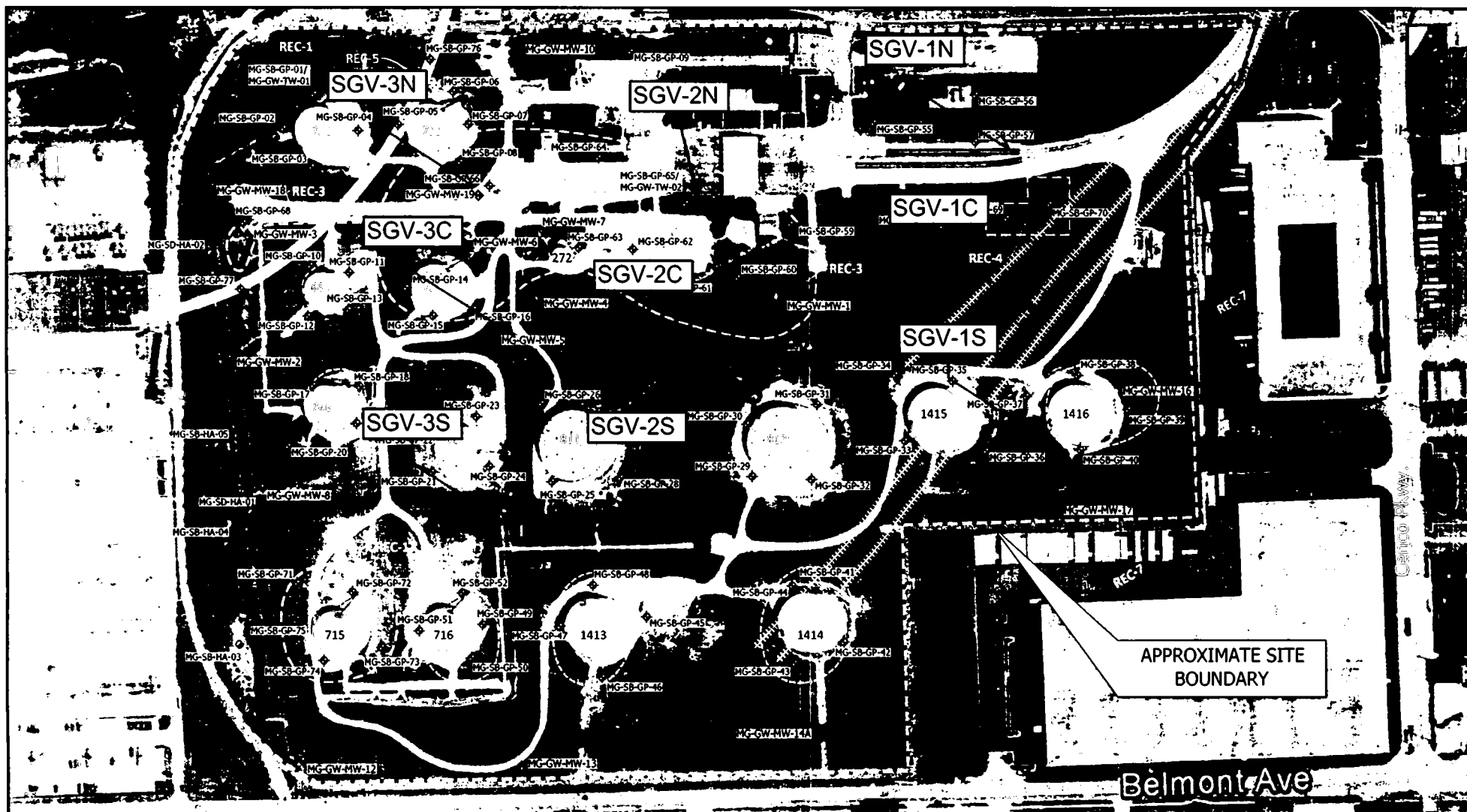
Scale:



Franklin Avenue

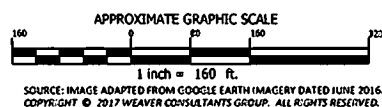
Belmont Avenue





#### LEGEND

- ◆ SOIL PROBE LOCATION
- SOIL PROBE/TEMPORARY WELL LOCATION
- SEDIMENT SAMPLE LOCATION
- ◆ EXISTING MONITORING WELL LOCATION
- APPROXIMATE RECOGNIZED ENVIRONMENTAL CONDITION (REC) LOCATIONS
- APPROXIMATE HISTORIC LOCATION OF FORMER RAILROAD TRACKS
- APPROXIMATE HISTORIC LOCATION OF FORMER WATER FEATURE
- APPROXIMATE HISTORIC LOCATION OF FORMER ASTS



PREPARED FOR:

COOK COUNTY DEPT.  
ENVIRONMENTAL  
CONTROL

APPROXIMATE SOIL PROBE/ WELL  
LOCATION MAP  
10601 FRANKLIN AVENUE  
FRANKLIN PARK, IL

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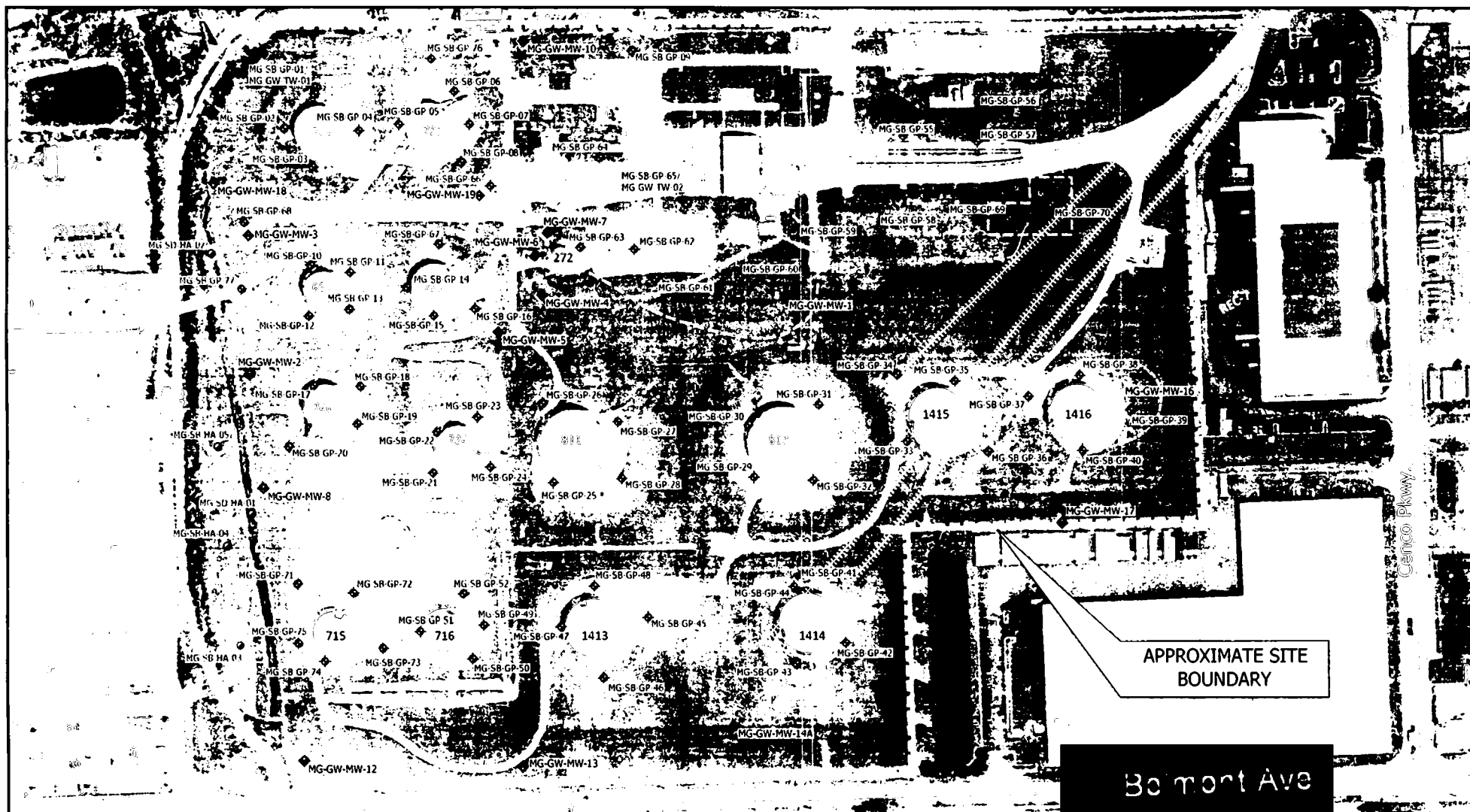
**Weaver  
Consultants  
Group**

CHICAGO, ILLINOIS  
(312) 921-1100 www.wcgrp.com

DRAWN BY: RND  
REVIEWED BY: RS  
DATE: 5/17/2017  
FILE: 3596-300-01  
CAD: C:\PROJECTS\3596-300-01

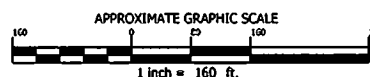
FIGURE 3

NOTE:  
REC-1 INCLUDES THE ENTIRE PROPERTY.



#### LEGEND

- ◆ SOIL PROBE LOCATION
- SOIL PROBE/TEMPORARY WELL LOCATION
- SEDIMENT SAMPLE LOCATION
- ◆ EXISTING MONITORING WELL LOCATION
- APPROXIMATE RECOGNIZED ENVIRONMENTAL CONDITION (REC) LOCATIONS
- APPROXIMATE HISTORIC LOCATION OF FORMER RAILROAD TRACKS
- APPROXIMATE HISTORIC LOCATION OF FORMER WATER FEATURE
- APPROXIMATE HISTORIC LOCATION OF FORMER ASTS



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#### PREPARED FOR:

COOK COUNTY DEPT.  
ENVIRONMENTAL  
CONTROL

APPROXIMATE SOIL PROBE/ WELL  
LOCATION MAP  
10601 FRANKLIN AVENUE  
FRANKLIN PARK, IL

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NOTE:  
REC-1 INCLUDES THE ENTIRE PROPERTY.

COPIED BY:	RMD
REVIEWED BY:	RS
DATE:	5/17/2017
FILE:	3596-200-01
CAD:	PROJECTS

FIGURE 3

## **APPENDIX J – Mirafi® 180N Spec Sheet**

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# Mirafi® 180N



Mirafi® 180N is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® 180N is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. Mirafi® 180N meets AASHTO M288-15 Class 1 for Elongation > 50%.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). NTPEP Listed

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	205 (912)	205 (912)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	80 (356)	80 (356)
CBR Puncture Strength	ASTM D6241	lbs (N)	500 (2224)	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	80 (0.18)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec <sup>-1</sup>	1.4	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	95 (3870)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Roll Sizes	
Roll Dimensions (width x length)	ft (m)	12.5 x 360 (3.8 x 110)	15 x 300 (4.57 x 91.4)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)	

**Disclaimer:** TenCate assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

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Pendergrass, GA 30567

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Tel 888 795 0808

Fax 706 693 4400  
[www.tencate.com](http://www.tencate.com)

FGS000351  
ETQR72



GAI-LAP-25-97



# FILE COPY

## Illinois Environmental Protection Agency

19-69413

0310965121-Cook  
Franklin Park/Magellan Pipeline Co.  
SR/TECH

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

### Site Remediation Program Form (DRM-2) (To be Submitted with all Plans and Reports)

EPA - DIVISION OF RECORDS MANAGEMENT  
RELEASABLE

You may complete this form online, save a copy, print, sign and mail it to the address above.

JUN 26 2019

#### I. Site Identification:

Site Name: Magellan Pipeline Chicago Terminal **REVIEWER: RDH**  
Street Address: 10601 Franklin Avenue P.O. Box: \_\_\_\_\_  
City: Franklin Park State: IL Zip Code: 60131 Phone: 847 531 3980  
Illinois Inventory ID Number: 0310965121 IEMA Incident Number: \_\_\_\_\_

#### II. Remediation Applicant:

Applicant's Name: Mr./Ms. Mr. Mark Houser  
Company: Bridge Development Partners  
Street Address: 1000 Irving Park Rd. Suite 150 P.O. Box: \_\_\_\_\_  
City: Itasca State: IL Zip Code: 60143 Phone: 847 531 3980  
Email Address: mhouser@bridgedev.com  
I hereby request that the Illinois EPA review and evaluate the attached project documents in accordance with the terms and conditions of the Environmental Protection Act (415 ILCS 5), implementing regulations, and the review and evaluation services agreement.  
Remediation Applicant's Signature: [Signature] Date: 5/15/19

#### III. Contact Person for Remediation Applicant:

Contact's Name: Mr./Ms. Mr. Mark Houser  
Company: Bridge Development Partners  
Street Address: 1000 Irving park Rd. P.O. Box: \_\_\_\_\_  
City: Itasca State: IL Zip Code: 60143 Phone: 847 531 3980  
Email Address: mhouser@bridgedev.com

#### Contact Person for Consultant:

Contact's Name: Mr./Ms. Mr. Bill Lennon  
Company: EGSL  
Street Address: 557 West Polk Street, Suite 201 P.O. Box: \_\_\_\_\_  
City: Chicago State: IL Zip Code: 60607 Phone: (312)447-1200  
Email Address: bill@EGSL.com

#### IV. Review & Evaluation Licensed Professional Engineer or Geologist ("RELPEG"), if applicable:

RELPEG's Name: Mr./Ms. Mr. \_\_\_\_\_  
Company: \_\_\_\_\_  
Street Address: \_\_\_\_\_ P.O. Box: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_  
Email Address: \_\_\_\_\_

**RECEIVED**

MAY 30 2019

**IEPA/BOL**

**V. Project Documents Being Submitted:**

<b>Document Title:</b> <u>RACR Supplement</u>	<b>Date of Preparation of Plan or Report:</b> <u>5/22/19</u>
<b>Prepared by:</b> <u>EGSL</u>	<b>Prepared For:</b> <u>IEPA</u>
<b>Type of Document Submitted:</b>	
<input type="checkbox"/> Site Investigation Report - Comprehensive	<input type="checkbox"/> Sampling Plan
<input type="checkbox"/> Site Investigation Report - Focused	<input type="checkbox"/> Health and Safety Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 1 or 2	<input type="checkbox"/> Community Relations Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 3	<input type="checkbox"/> Risk Assessment
<input type="checkbox"/> Remedial Action Plan	<input type="checkbox"/> Containment Fate & Transport Modeling
<input checked="" type="checkbox"/> Remedial Action Completion Report	<input checked="" type="checkbox"/> Other: <u>RACR Supplement</u>

<b>Document Title:</b> _____	<b>Date of Preparation of Plan or Report:</b> _____
<b>Prepared by:</b> _____	<b>Prepared For:</b> _____
<b>Type of Document Submitted:</b>	
<input type="checkbox"/> Site Investigation Report - Comprehensive	<input type="checkbox"/> Sampling Plan
<input type="checkbox"/> Site Investigation Report - Focused	<input type="checkbox"/> Health and Safety Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 1 or 2	<input type="checkbox"/> Community Relations Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 3	<input type="checkbox"/> Risk Assessment
<input type="checkbox"/> Remedial Action Plan	<input type="checkbox"/> Containment Fate & Transport Modeling
<input type="checkbox"/> Remedial Action Completion Report	<input type="checkbox"/> Other: _____

<b>Document Title:</b> _____	<b>Date of Preparation of Plan or Report:</b> _____
<b>Prepared by:</b> _____	<b>Prepared For:</b> _____
<b>Type of Document Submitted:</b>	
<input type="checkbox"/> Site Investigation Report - Comprehensive	<input type="checkbox"/> Sampling Plan
<input type="checkbox"/> Site Investigation Report - Focused	<input type="checkbox"/> Health and Safety Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 1 or 2	<input type="checkbox"/> Community Relations Plan
<input type="checkbox"/> Remediation Objectives Report - Tier 3	<input type="checkbox"/> Risk Assessment
<input type="checkbox"/> Remedial Action Plan	<input type="checkbox"/> Containment Fate & Transport Modeling
<input type="checkbox"/> Remedial Action Completion Report	<input type="checkbox"/> Other: _____

**The appearance of some of the images  
following this page is due to**

**Poor Quality Original Documents**

**and not the scanning or filming  
processes.**

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(217) 525-5860**



**VI. Professional Engineer's or Geologist's Seal or Stamp:**

I attest that all site investigations or remedial activities that are subject of this plan(s) or report(s) were performed under my direction, and this document and all attachments were prepared under my direction or reviewed by me, and to the best of my knowledge and belief, the work described in the plan and report has been designed or completed in accordance with the Illinois Environmental Protection Act (415 ILCS 5), 35 Ill. Adm. Code 740, and generally accepted engineering practices or principles of professional geology, and the information presented is accurate and complete.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA is guilty of a Class 3 felony. A second or subsequent offense after conviction is a Class 2 felony. (415 ILCS 5/44(h))

Engineer's or Geologist's Name: Harold A. Smith, P.E.

Company: EGSL

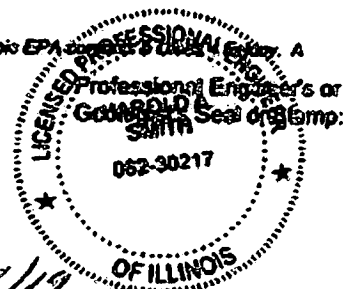
Registration Number: 062-030217

Phone: 312-447-1200

License Expiration Date: 11/30/2019

Signature: Harold A. Smith

Date: 5/25/19



Note: The authority of a Licensed Professional Geologist to certify documents submitted to the Illinois Environmental Protection Agency for review and evaluation pursuant to Title XVII of the Environmental Protection Act is limited to Site Investigation Reports (415 ILCS 58.7(f), as amended by P. A. 82-0735, effective July 28, 2002. A Licensed Professional Geologist cannot certify Remediation Objectives Reports, Remedial Action Plans or Remedial Action Completion Reports.

All information submitted is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines. The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. Disclosure of this information is required as a condition of participation in the Site Remediation Program. Failure to do so may prevent this form from being processed and could result in your plan(s) or report(s) being rejected. This form has been approved by the Forms Management Center.

Mr. Andrew Catlin, L.P.G.  
Illinois Environmental Protection Agency  
Voluntary Site Remediation Unit  
Remedial Project Management Section  
Division of Remediation Management  
Bureau of Land

**FILE COPY**

May 22, 2019  
19-69413  
0310965121-Cook  
Franklin Park/Magellan Pipeline Co.  
SR/TECH

**Regarding: SUPPLEMENT to EGSL's February 1, 2019 RACR  
0310965121-Cook County  
Franklin Park/Magellan Pipeline  
Site Remediation Program/Technical Reports**

**RECEIVED**

MAY 30 2019

Dear Mr. Catlin,

**IEPA/BOL**

The purpose of this letter is to formally provide you with supplemental information pertaining to EGSL's February 1, 2019 RACR that was previously submitted to the IEPA (received February 7, 2019), which was approved by the IEPA on April 3, 2019. At the time of submittal of the RACR, engineered barriers were only in place for the eastern 2/3 of the Subject Property (aka Buildings/Lots 1 and 2) and were subsequently approved by the IEPA.

It should be noted that site development of the western 1/3 (aka Building/Lot 3) has since been completed and engineered barriers are in place. The following information is provided as a supplement to the previously approved RACR:

- During Weston's 2017 Phase II Subsurface Investigation (previously submitted), three samples were obtained from the undeveloped grassy area west of Silver Creek along the far western portion of the site. Of those three samples no chemicals of concern were detected above IEPA Tier 1 ROs with the exception of Arsenic. Arsenic was detected in HA-03 and HA-05 at concentrations of 15 mg/Kg and 31 mg/Kg, respectively. In order to eliminate the need for an engineered barrier requirement in the undeveloped grassy portion of Silver Creek, EGSL excavated the soils from HA-03 and HA-05. On April 30, 2019, approximately 0.25 cubic yards of soil were removed and collected by North Branch Environmental for disposal at an approved Subtitle-D landfill. EGSL obtained ten (10) total confirmation soil samples from the excavation areas (four wall samples and one floor sample from each excavation area) and submitted the samples to STAT Analysis Corporation (STAT) for analysis of Arsenic. According to the analytical results, two of the wall samples from the HA-05 excavation area contain Arsenic at concentrations of 17 mg/Kg and 21 mg/Kg. As such, on May 21, 2019, EGSL excavated an additional 0.125 cubic yards of soil, and two additional wall samples were submitted to STAT for analysis of Arsenic. According to the laboratory results, neither of these samples contained Arsenic at concentrations above Tier 1 ROs. As such, based on Weston's previous sampling activities and the recent excavation of Arsenic impacted soils, EGSL has determined that the need for an engineered barrier requirement for the undeveloped grassy area located west of Silver Creek is no longer necessary.
- EGSL had previously submitted documentation pertaining to the landscaped areas and associated engineered barriers for Lots 1 and 2 which has been approved and implemented. The landscaped areas for Lot 3 are now complete and have followed the previously approved Remedial Action



Plan and Alternative Barriers. Approximately 7,500 cubic yards of clean soil was utilized for the 1.5' barrier in the landscaped areas; as such, sixteen (16) soil samples were submitted to STAT for analysis of TCL indicator contaminants. According to the analytical results, no chemicals of concern were detected above any Tier 1 Remediation Objectives.

- An updated Site Base Map has been completed and is attached.

Based on the previously approved RACR and subsequent draft NFR, EGSL has provided this supplemental information in order to obtain a comprehensive NFR letter for the entire site at this time.

Thank you for all of your help on this project. Please do not hesitate to let us know if you need any additional information.

Sincerely,  
**ENVIRONMENTAL GROUP SERVICES, LIMITED**

**List of Attachments:**

A-Updated Site Base Map  
B-Arsenic Excavation Areas (west of Silver Creek)  
C-Arsenic Confirmation Sample Analytical Results  
D-Waste Manifests  
E-Target Compound List Analytical Results



## **ATTACHMENT A – Site Base Map**

---





Legend:

	Remediation Site Boundary
	Engineered Barrier Concrete Building Foundation
	Engineered Barrier Asphalt/Concrete Pavement
	Engineered Barrier 1.5' Clean Fill Underlain by Mirafi 180N

Subject Property:  
10601 Franklin Ave  
Franklin Park, IL

EGSL Project No.  
1703287

Drawing Title  
SITE BASE MAP

Date  
04/24/2019



REMEDIA-  
TION  
SITE BOUNDARY

Franklin Avenue

REMEDIA-  
TION  
SITE BOUNDARY

Entire Site Subject To:

- Groundwater Use Restriction
- Industrial/Commercial Use Restriction
- Engineered Barriers
- Building Restriction - Slab-on-grade with no sumps

REMEDIA-  
TION  
SITE BOUNDARY

Belmont Avenue

Site Base Map  
0310965121/Cook County  
Franklin Park/Magellan Pipeline  
Site Remediation Technical Reports

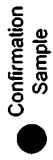
REMEDIA-  
TION  
SITE BOUNDARY

Silver Creek

## **ATTACHMENT B – Arsenic Excavation Areas**



Legend:

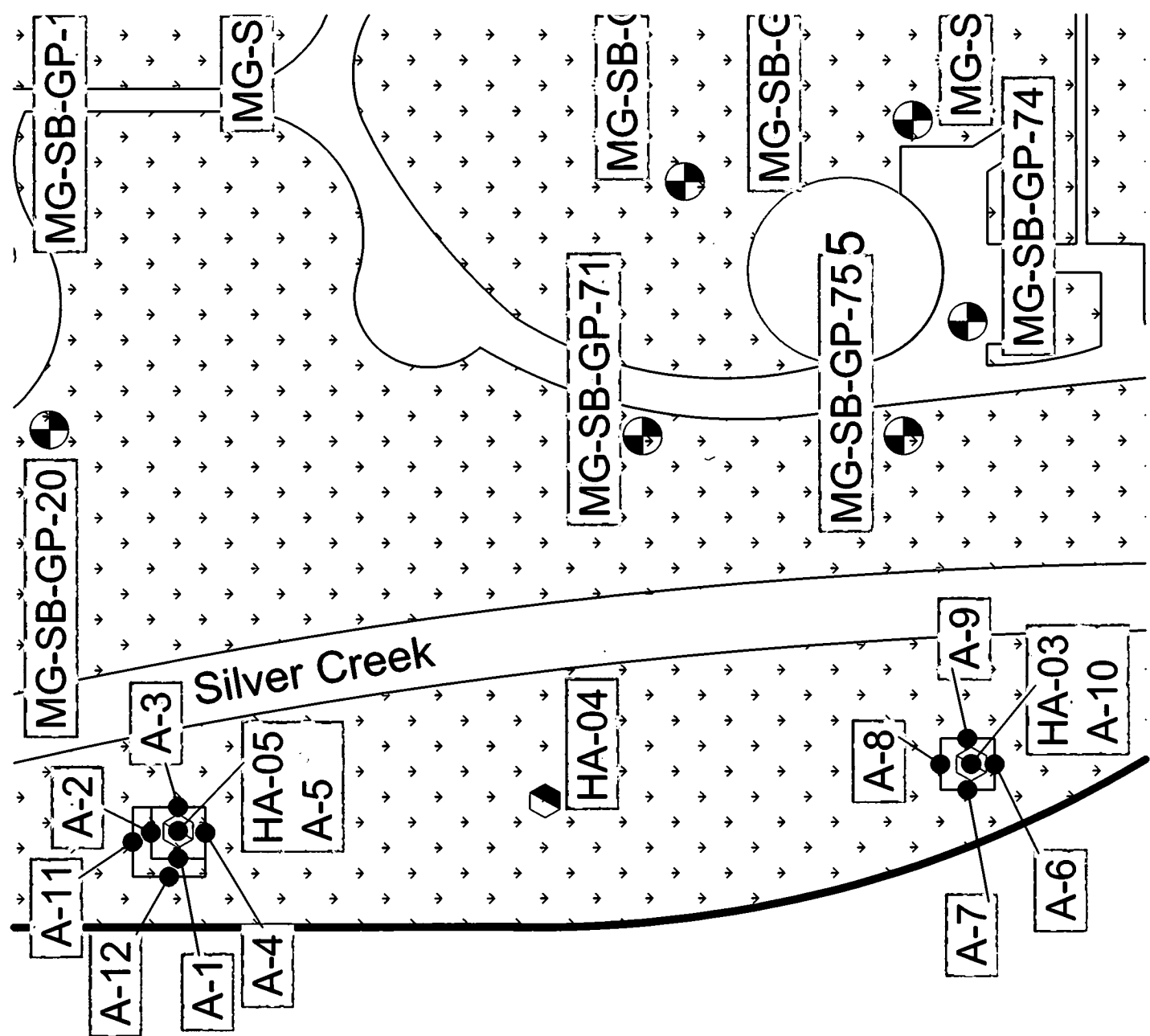


Subject Property:  
10601 Franklin Ave  
Franklin Park, IL

EGSL Project No.  
1703287

Drawing Title  
Aspen Excavation and  
Confirmation Samples  
Date  
5/21/19

Scale:



## **ATTACHMENT C – Arsenic Analytical Results**

---



TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (A)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041195-001 19041195-002 19041195-003 19041195-004  
 Client Sample ID : A-1 A-2 A-3 A-4  
 Date Collected : 04/30/2019 08:00 04/30/2019 08:10 04/30/2019 08:20 04/30/2019 08:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7440-38-2	Arsenic	13.0/11.3	750	61	25,000		
						7.5	11

All units are mg/Kg unless otherwise noted.  
 Based on 35 IAC Part 742, Appendix B Table A.  
 Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
 Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
Project: Franklin (A)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041195-005 19041195-006 19041195-007 19041195-008  
Client Sample ID : A-5 A-6 A-7 A-8  
Date Collected : 04/30/2019 08:40 04/30/2019 08:50 04/30/2019 09:00 04/30/2019 09:10

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7440-38-2	Arsenic	13.0/11.3	750	61	25,000	7.3	8.6 4.8 8.4

All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (A)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041195-009 19041195-010  
 Client Sample ID : A-9 A-10  
 Date Collected : 04/30/2019 09:20 04/30/2019 09:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7440-38-2	Arsenic	13.0/11.3	750	61	25,000	8.9	4.7

All units are mg/Kg unless otherwise noted.  
 Based on 35 IAC Part 742, Appendix B Table A.  
 Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
 Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (A)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041195-001 19041195-002 19041195-003 19041195-004 19041195-005 19041195-006 19041195-007  
 Client Sample ID : A-1 A-2 A-3 A-4 A-5 A-6 A-7  
 Date Collected : 04/30/2019 08:00 04/30/2019 08:10 04/30/2019 08:20 04/30/2019 08:30 04/30/2019 08:40 04/30/2019 08:50 04/30/2019 09:00

Analyte	Concentration of Chemicals in Background Soils									
	City of Chicago	Within MSA	Outside MSA							
INORG Arsenic		13.0	11.3	17	21	7.5	11	7.3	8.6	4.8

TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.  
Project: Franklin (A)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041195-008      19041195-009      19041195-010  
Client Sample ID : A-8      A-9      A-10  
Date Collected : 04/30/2019 09:10      04/30/2019 09:20      04/30/2019 09:30

Analyte	Concentration of Chemicals in Background Soils		
	City of Chicago	Within MSA	Outside MSA
INORG Arsenic	13.0	11.3	8.4
			8.9
			4.7

MSA - Metropolitan Statistical Area  
All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix A Table G and Table H.  
Bolded/Shaded values exceed the within MSA background level.

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (A)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Arsenic	A-1	17	13.0/11.3	Residential Ingestion
		A-2	21	13.0	Within MSA Background
				11.3	Outside MSA Background

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (A)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Arsenic	A-1	17	13.0/11.3	Residential Ingestion
INORG	Arsenic	A-2	21	13.0/11.3	Residential Ingestion
INORG	Arsenic	A-1	17	13.0	Within MSA Background
INORG	Arsenic	A-2	21	13.0	Within MSA Background
INORG	Arsenic	A-1	17	11.3	Outside MSA Background
INORG	Arsenic	A-2	21	11.3	Outside MSA Background

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
Project: Franklin (A2)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19050815-001 19050815-002  
Client Sample ID : A-11 A-12  
Date Collected : 05/21/2019 13:00 05/21/2019 13:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7440-38-2	Arsenic	13.0/11.3	750	61	25,000		
						<2.7	<2.5

All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
**Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.**  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (A2)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19050815-001 19050815-002  
 Client Sample ID : A-11 A-12  
 Date Collected : 05/21/2019 13:00 05/21/2019 13:00

Analyte	Concentration of Chemicals in Background Soils		
	City of Chicago	Within MSA	Outside MSA
INORG Arsenic	13.0	11.3	<2.7
			<2.5

MSA - Metropolitan Statistical Area  
 All units are mg/Kg unless otherwise noted.  
 Based on 35 IAC Part 742, Appendix A Table G and Table H.  
 Bolded/Shaded values exceed the within MSA background level.

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

May 16, 2019

Environmental Group Services, Ltd.

557 W. Polk

Chicago, IL 60610

Telephone: (312) 447-1200

Fax: (312) 447-0922

Analytical Report for STAT Work Order: 19041195 Revision 0

RE: Franklin (A)

Dear Environmental Group Services, Ltd.:

STAT Analysis received 10 samples for the referenced project on 4/30/2019 4:33:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

  
Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

**Client:** Environmental Group Services, Ltd.**Project:** Franklin (A)**Work Order:** 19041195 Revision 0**Work Order Sample Summary**

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
19041195-001A	A-1		4/30/2019 8:00:00 AM	4/30/2019
19041195-002A	A-2		4/30/2019 8:10:00 AM	4/30/2019
19041195-003A	A-3		4/30/2019 8:20:00 AM	4/30/2019
19041195-004A	A-4		4/30/2019 8:30:00 AM	4/30/2019
19041195-005A	A-5		4/30/2019 8:40:00 AM	4/30/2019
19041195-006A	A-6		4/30/2019 8:50:00 AM	4/30/2019
19041195-007A	A-7		4/30/2019 9:00:00 AM	4/30/2019
19041195-008A	A-8		4/30/2019 9:10:00 AM	4/30/2019
19041195-009A	A-9		4/30/2019 9:20:00 AM	4/30/2019
19041195-010A	A-10		4/30/2019 9:30:00 AM	4/30/2019

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 16, 2019

Date Printed: May 16, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Project: Franklin (A)

Work Order: 19041195 Revision 0

Lab ID: 19041195-001

Collection Date: 4/30/2019 8:00:00 AM

Client Sample ID A-1

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/15/2019 Analyst: MDT
Arsenic	17	0.94		mg/Kg-dry	10	5/15/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	10.9	0.2	*	wt%	1	5/2/2019

Lab ID: 19041195-002

Collection Date: 4/30/2019 8:10:00 AM

Client Sample ID A-2

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/15/2019 Analyst: MDT
Arsenic	21	1.0		mg/Kg-dry	10	5/15/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	10.9	0.2	*	wt%	1	5/2/2019

Lab ID: 19041195-003

Collection Date: 4/30/2019 8:20:00 AM

Client Sample ID A-3

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/3/2019 Analyst: JG
Arsenic	7.5	0.97		mg/Kg-dry	10	5/4/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	10.7	0.2	*	wt%	1	5/2/2019

Lab ID: 19041195-004

Collection Date: 4/30/2019 8:30:00 AM

Client Sample ID A-4

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/3/2019 Analyst: JG
Arsenic	11	1.0		mg/Kg-dry	10	5/4/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	11.1	0.2	*	wt%	1	5/2/2019

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 16, 2019

Date Printed: May 16, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Project: Franklin (A)

Work Order: 19041195 Revision 0

Lab ID: 19041195-005

Collection Date: 4/30/2019 8:40:00 AM

Client Sample ID A-5

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/3/2019 Analyst: JG
Arsenic	7.3	0.95		mg/Kg-dry	10	5/4/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	10.2	0.2	*	wt%	1	5/2/2019

Lab ID: 19041195-006

Collection Date: 4/30/2019 8:50:00 AM

Client Sample ID A-6

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/3/2019 Analyst: JG
Arsenic	8.6	1.0		mg/Kg-dry	10	5/4/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	10.4	0.2	*	wt%	1	5/2/2019

Lab ID: 19041195-007

Collection Date: 4/30/2019 9:00:00 AM

Client Sample ID A-7

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/3/2019 Analyst: JG
Arsenic	4.8	1.1		mg/Kg-dry	10	5/5/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	20.8	0.2	*	wt%	1	5/2/2019

Lab ID: 19041195-008

Collection Date: 4/30/2019 9:10:00 AM

Client Sample ID A-8

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/3/2019 Analyst: JG
Arsenic	8.4	1.2		mg/Kg-dry	10	5/5/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	23.3	0.2	*	wt%	1	5/2/2019

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 16, 2019

Date Printed: May 16, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Project: Franklin (A)

Work Order: 19041195 Revision 0

Lab ID: 19041195-009

Collection Date: 4/30/2019 9:20:00 AM

Client Sample ID A-9

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/3/2019 Analyst: JG
Arsenic	8.9	1.1		mg/Kg-dry	10	5/5/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	21.2	0.2	*	wt%	1	5/2/2019

Lab ID: 19041195-010

Collection Date: 4/30/2019 9:30:00 AM

Client Sample ID A-10

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/3/2019 Analyst: JG
Arsenic	4.7	1.1		mg/Kg-dry	10	5/5/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/1/2019 Analyst: FN
Percent Moisture	21.8	0.2	*	wt%	1	5/2/2019

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

**Analysis Corporation**  
2242 W. Harrison Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386  
e-mail address: [STATinfo@STATAnalysis.com](mailto:STATinfo@STATAnalysis.com)

2242 W. Harrison Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386  
e-mail address: [STATInfo@STATAnalysis.com](mailto:STATInfo@STATAnalysis.com)

Page:        of       Page 6 of 8

**Sample Receipt Checklist**

Client Name EGSL

Date and Time Received: 4/30/2019 4:33:00 PM

Work Order Number 19041195

Received by: EAA

Checklist completed by: EL 4/30/19  
Signature Date

Reviewed by: A. A. 5/01/19  
Initials Date

Matrix:

Carrier name STAT Analysis

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature 4.1 °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_



## Justice Kwateng

---

**From:** Bill Lennon <Bill@egsl.com>  
**Sent:** Tuesday, May 07, 2019 3:14 PM  
**To:** Justice Kwateng  
**Subject:** RE: Franklin (A) STAT 19041195

Please re-run both thanks justice



**Bill Lennon**  
**EGSL**  
557 West Polk Street  
Suite 201  
Chicago, IL 60607  
t. 312.447.1200 x315  
f. 312.447.0922  
[bill@egsl.com](mailto:bill@egsl.com)  
[www.egsl.com](http://www.egsl.com)

---

**From:** Justice Kwateng <JKwateng@STATAnalysis.com>  
**Sent:** Tuesday, May 7, 2019 3:07 PM  
**To:** Bill Lennon <Bill@egsl.com>; Mary Cappellini <Mary@egsl.com>  
**Subject:** Franklin (A) STAT 19041195

Hey Bill,

The first two samples has a high hit. Check and let me know if you want me to issue a final report.  
Please find the attached preliminary EDDs for your Franklin (A) project.  
STAT 19041195

Thank you for choosing STAT for your testing needs.

In an effort to increase efficiency and conserve resources, STAT Analysis has adopted paperless reporting. The attached pdf files can be printed as the final copy. You will not receive a hardcopy in the mail.

Best Regards,

**Justice Kwateng**  
**Project Manager**  
**STAT Analysis Corporation**  
2242 W. Harrison St, Suite 200  
Chicago, IL 60612  
Tel: 1-312-733-0551  
Fax: 1-312-733-2386

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**STAT Analysis Corporation**

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

May 23, 2019

Environmental Group Services, Ltd.  
557 W. Polk  
Chicago, IL 60610  
Telephone: (312) 447-1200  
Fax: (312) 447-0922

Analytical Report for STAT Work Order: 19050815 Revision 0

RE: Franklin (A2)

Dear Environmental Group Services, Ltd.:

STAT Analysis received 2 samples for the referenced project on 5/22/2019 10:32:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Environmental Group Services, Ltd.**Project:** Franklin (A2)**Work Order:** 19050815 Revision 0**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
19050815-001A	A-11		5/21/2019 1:00:00 PM	5/22/2019
19050815-002A	A-12		5/21/2019 1:00:00 PM	5/22/2019

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 23, 2019

Date Printed: May 23, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Project: Franklin (A2)

Work Order: 19050815 Revision 0

Lab ID: 19050815-001

Collection Date: 5/21/2019 1:00:00 PM

Client Sample ID A-11

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/22/2019 Analyst: MDT
Arsenic	ND	2.7		mg/Kg-dry	10	5/22/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/22/2019 Analyst: FN
Percent Moisture	66.8	0.2	*	wt%	1	5/23/2019

Lab ID: 19050815-002

Collection Date: 5/21/2019 1:00:00 PM

Client Sample ID A-12

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 5/22/2019 Analyst: MDT
Arsenic	ND	2.5		mg/Kg-dry	10	5/22/2019
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 5/22/2019 Analyst: FN
Percent Moisture	63.4	0.2	*	wt%	1	5/23/2019

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

## CHAIN OF CUSTODY RECORD

[illegible]

**Sample Receipt Checklist**

Client Name **EGSL**

Date and Time Received: **5/22/2019 10:32:00 AM**

Work Order Number **19050815**

Received by: **JOK**

Checklist completed by:

Signature

Date

Reviewed by:

Initials

Date

Matrix:

Carrier name **STAT Analysis**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature <b>4.6 °C</b>
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

## **ATTACHMENT D – Waste Manifests**

---

Driver:	1212 Group, LLC		
Date:	d/b/a North Branch Environmental		
Time:	50 N. Garden Ave., Roselle, IL 60172		
Size:	Phone: 630-529-0240 • Fax: 630-529-0837		
Special Requirements:	info@northbranchenvironmental.com		
			www.northbranchenvironmental.com
Order Date:	Profile #:	Manifest Number:	Work Order No:
		20620123	122445
Driver:	P.O. #	Disp Facility:	
		WITS	
Start Time:	Finish Time:	Date:	59.19
Site Location:			
MAGELLAN PIPE LINE			
12601 FRANKLIN AVE			
FRANKLIN PARK IL			
Contact:	Phone:		
Bill To:	EGSL		
Contact:	Phone:		
Product/Service	Unit/Gallons	Price	Amount
Freight/Handling:			
Disposal:	1 DRUM		420.00
Pump Time:			
Environmental Fee:			
Analytical:			
Generator ID Number:			
		X	
Approval #:	Customer Signature		
Bulk Gal:	Drums:	Other:	
Waste Oil:	Coolant:	Water:	



Please print or type.

Form Approved. OMB No. 2050-0039

<b>UNIFORM WASTE MANIFEST</b>		1. Generator ID Number <b>0310965121</b>	2. Page 1 of	3. Emergency Response Phone <b>(630) 529-0240</b>	4. Manifest Tracking Number <b>020620123 JJK</b>	
5. Generator's Name and Mailing Address <b>Magellan Pipeline Co</b> <b>1661 W. 1st St</b> <b>60131</b> <b>Chicago, IL 60611</b>					Generator's Site Address (if different than mailing address)	
Generator's Phone: <b>312-871-1660</b>						
6. Transporter 1 Company Name <b>North Branch Environmental</b>			U.P.M. # <b>UPM0350461IL</b>		U.S. EPA ID Number <b>ILR000052977</b>	
7. Transporter 2 Company Name					U.S. EPA ID Number	
8. Designated Facility Name and Site Address <b>Water Integrated Treatment Systems</b> <b>14753 Greenwood Ave</b> <b>Dolton, IL 60419</b>					U.S. EPA ID Number <b>ILD043914209</b>	
Facility's Phone: <b>(312) 810-9070</b>						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity
				No.	Type	12. Unit Wt./Vol.
	1.	<b>Non-Hazardous Liquid</b>		<b>001</b>	<b>TT</b>	<b>55</b>
	2.					
	3.					
13. Waste Codes						
14. Special Handling Instructions and Additional Information <b>NBE-99-1</b> <b>Work Order 122445</b>						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name <b>George K</b>						
Signature <i>[Signature]</i>						
Month Day Year <b>5 9 19</b>						
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name <b>George K</b>					
Signature <i>[Signature]</i>						
Month Day Year <b>5 9 19</b>						
Transporter 2 Printed/Typed Name						
Signature						
Month Day Year						
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	Manifest Reference Number:					
	18b. Alternate Facility (or Generator) U.S. EPA ID Number					
	Facility's Phone:					
18c. Signature of Alternate Facility (or Generator)						
Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. 2. 3. 4.						
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name <b>Nicolas Garcia</b>						
Signature <i>[Signature]</i>						
Month Day Year <b>5 16</b>						

## **ATTACHMENT E – Target Compound Analytical Results**



TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-001 19041196-002 19041196-003 19041196-004  
Client Sample ID : 101 102 103 104  
Date Collected : 04/29/2019 08:00 04/29/2019 08:15 04/29/2019 08:30 04/29/2019 09:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values				
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II			
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	<0.091	<0.11	<0.083
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	<0.0061	<0.0074	<0.0055
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	<0.0061	<0.0074	<0.0055
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	<0.0061	<0.0074	<0.0055
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	<0.012	<0.015	<0.011
78-93-3	2-Butanone							<0.091	<0.11	<0.083
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	<0.061	<0.074	<0.055
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	<0.0061	<0.0074	<0.0055
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	<0.0061	<0.0074	<0.0055
75-00-3	Chloroethane							<0.012	<0.015	<0.011
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	<0.0061	<0.0074	<0.0055
74-87-3	Chloromethane							<0.012	<0.015	<0.011
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	<0.0061	<0.0074	<0.0055
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	<0.0061	<0.0074	<0.0055
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	<0.0061	<0.0074	<0.0055
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	<0.0061	<0.0074	<0.0055
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	<0.0061	<0.0074	<0.0055
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	<0.0061	<0.0074	<0.0055
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	<0.0061	<0.0074	<0.0055
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	<0.0024	<0.0030	<0.0022
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	<0.0024	<0.0030	<0.0022
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	<0.0061	<0.0074	<0.0055
591-78-6	2-Hexanone							<0.024	<0.030	<0.022
108-10-1	4-Methyl-2-pentanone							<0.024	<0.030	<0.022
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	<0.012	<0.015	<0.011
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	<0.0061	<0.0074	<0.0055
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	<0.0061	<0.0074	<0.0055
79-34-5	1,1,2,2-Tetrachloroethane							<0.0061	<0.0074	<0.0055
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	<0.0061	<0.0074	<0.0055
108-88-3	Toluene	16,000	650	410,000	42	12	29	<0.0061	<0.0074	<0.0055
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	<0.0061	<0.0074	<0.0055
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	<0.0061	<0.0074	<0.0055
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	<0.0061	<0.0074	<0.0055
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	<0.0061	<0.0074	<0.0055
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	<0.018	<0.022	<0.017

All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-005 105 19041196-006 106 19041196-007 107 19041196-008 108  
Client Sample ID :  
Date Collected : 04/29/2019 09:30 04/29/2019 10:00 04/29/2019 10:30 04/29/2019 11:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		Class I	Class II	<0.11	<0.10	<0.19	<0.11
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation						
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	25	25	<0.11	<0.10	<0.19	<0.11
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	0.03	0.17	<0.0073	<0.0070	<0.013	<0.0075
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	0.6	0.6	<0.0073	<0.0070	<0.013	<0.0075
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	0.8	0.8	<0.0073	<0.0070	<0.013	<0.0075
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	0.2	1.2	<0.015	<0.014	<0.025	<0.015
78-93-3	2-Butanone									<0.11	<0.10	<0.19	<0.11
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	32	160	<0.073	<0.070	<0.13	<0.075
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	0.07	0.33	<0.0073	<0.0070	<0.013	<0.0075
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	1	6.5	<0.0073	<0.0070	<0.013	<0.0075
75-00-3	Chloroethane									<0.015	<0.014	<0.025	<0.015
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	0.6	2.9	<0.0073	<0.0070	<0.013	<0.0075
74-87-3	Chloromethane									<0.015	<0.014	<0.025	<0.015
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	0.4	0.4	<0.0073	<0.0070	<0.013	<0.0075
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	23	110	<0.0073	<0.0070	<0.013	<0.0075
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	0.02	0.1	<0.0073	<0.0070	<0.013	<0.0075
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	0.06	0.3	<0.0073	<0.0070	<0.013	<0.0075
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	0.4	1.1	<0.0073	<0.0070	<0.013	<0.0075
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	0.7	3.4	<0.0073	<0.0070	<0.013	<0.0075
78-87-5	1,2-Dichloropropane	9	1.5	1,800	0.50	0.03	0.15	0.03	0.15	<0.0073	<0.0070	<0.013	<0.0075
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	0.004	0.02	<0.0029	<0.0028	<0.0050	<0.0030
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	0.004	0.02	<0.0029	<0.0028	<0.0050	<0.0030
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	13	19	<0.0073	<0.0070	<0.013	<0.0075
591-78-6	2-Hexanone									<0.029	<0.028	<0.050	<0.030
108-10-1	4-Methyl-2-pentanone									<0.029	<0.028	<0.050	<0.030
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	0.02	0.2	<0.015	<0.014	<0.025	<0.015
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	0.32	0.32	<0.0073	<0.0070	<0.013	<0.0075
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	4	18	<0.0073	<0.0070	<0.013	<0.0075
79-34-5	1,1,2,2-Tetrachloroethane									<0.0073	<0.0070	<0.013	<0.0075
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	0.06	0.3	<0.0073	<0.0070	<0.013	<0.0075
108-88-3	Toluene	16,000	650	410,000	42	12	29	12	29	<0.0073	<0.0070	<0.013	<0.0075
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	2	9.6	<0.0073	<0.0070	<0.013	<0.0075
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	0.02	0.3	<0.0073	<0.0070	<0.013	<0.0075
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	0.06	0.3	<0.0073	<0.0070	<0.013	<0.0075
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	0.01	0.07	<0.0073	<0.0070	<0.013	<0.0075
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	150	150	<0.022	<0.021	<0.038	<0.023

All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
Bold/Italic values have detected results exceeding the lowest Tier I remediation objective.  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

# TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-1)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-001 19041196-002 19041196-003  
 Client Sample ID : 101 102 103  
 Date Collected : 04/29/2019 08:00 04/29/2019 08:15 04/29/2019 08:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
83-32-9	Acenaphthene	4,700	---	120,000	---	570	< 0.041
208-96-8	Acenaphthylene						< 0.041
120-12-7	Anthracene	23,000	---	610,000	---	12,000	< 0.041
56-55-3	Benz(a)anthracene	0.9	---	170	---	2	< 0.041
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	< 0.041
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	< 0.041
191-24-2	Benzo(g,h,i)perylene						< 0.041
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	< 0.041
218-01-9	Chrysene	88	---	17,000	---	160	< 0.041
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	< 0.041
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	< 0.041
86-73-7	Fluorene	3,100	---	82,000	---	560	< 0.041
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	< 0.041
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	< 0.041
85-01-8	Phenanthrene						< 0.041
129-00-0	Pyrene	2,300	---	61,000	---	4,200	< 0.041
						21,000	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900	<0.040	<0.041
208-96-8	Acenaphthylene							<0.040	<0.041
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000	<0.040	<0.041
56-55-3	Benz(a)anthracene	0.9	---	170	---	2	8	<0.040	<0.041
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82	<0.040	<0.041
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25	<0.040	<0.041
191-24-2	Benzo(g,h,i)perylene							<0.040	<0.041
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250	<0.040	<0.041
218-01-9	Chrysene	88	---	17,000	---	160	800	<0.040	<0.041
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6	<0.040	<0.041
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000	<0.040	<0.041
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800	<0.040	<0.041
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69	<0.040	<0.041
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18	<0.040	<0.041
85-01-8	Phenanthrene							<0.040	<0.041
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000	<0.040	<0.041

**Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.**  
**Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B**

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-007 19041196-008  
Client Sample ID : 107 108  
Date Collected : 04/29/2019 10:30 04/29/2019 11:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900
208-96-8	Acenaphthylene						
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000
56-55-3	Benz(a)anthracene	0.9	---	170	---	2	8
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25
191-24-2	Benzo(g,h,i)perylene						
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250
218-01-9	Chrysene	88	---	17,000	---	160	800
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18
85-01-8	Phenanthrene						
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000

All units are mg/kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-1)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-001  
 Client Sample ID : 101  
 Date Collected : 04/29/2019 08:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.41
62-53-3	Aniline							< 0.41
92-87-5	Benzidine							< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.083
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.83

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



**TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)**

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-1)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-002  
 Client Sample ID : 102  
 Date Collected : 04/29/2019 08:15

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.41
62-53-3	Aniline							< 0.42
92-87-5	Benzidine							< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.084
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.84

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-1)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-003  
 Client Sample ID : 103  
 Date Collected : 04/29/2019 08:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.40
62-53-3	Aniline							< 0.41
92-87-5	Benzidine							< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.082
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.82

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-004  
 Client Sample ID : 104  
 Date Collected : 04/29/2019 09:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.22
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.22
541-73-1	1,3-Dichlorobenzene							< 0.22
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.22
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.22
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.22
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.22
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.22
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.22
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.1
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.042
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.042
91-58-7	2-Chloronaphthalene							< 0.22
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.22
91-57-6	2-Methylnaphthalene							< 0.22
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.22
88-74-4	2-Nitroaniline							< 0.22
88-75-5	2-Nitrophenol							< 0.22
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.22
99-09-2	3-Nitroaniline							< 0.22
534-52-1	4,6-Dinitro-2-methylphenol							< 0.42
101-55-3	4-Bromophenyl phenyl ether							< 0.22
59-50-7	4-Chloro-3-methylphenol							< 0.42
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.22
7005-72-3	4-Chlorophenyl phenyl ether							< 0.22
106-44-5	4-Methylphenol							< 0.22
100-01-6	4-Nitroaniline							< 0.22
100-02-7	4-Nitrophenol							< 0.42
62-53-3	Aniline							< 0.42
92-87-5	Benzidine							< 0.42
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.1
100-51-6	Benzyl alcohol							< 0.22
111-91-1	Bis(2-chloroethoxy)methane							< 0.22
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.22
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.1
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.22
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.22
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.22
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.22
132-64-9	Dibenzofuran							< 0.22
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.22
131-11-3	Dimethyl phthalate							< 0.22
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.22
87-68-3	Hexachlorobutadiene							< 0.22
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.22
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.22
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.22
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.042
62-75-9	N-Nitrosodimethylamine							< 0.22
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.22
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.042
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.085
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.22
110-86-1	Pyridine							< 0.85

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-005  
 Client Sample ID : 105  
 Date Collected : 04/29/2019 09:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.40
62-53-3	Aniline							< 0.41
92-87-5	Benzidine							< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.082
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.82

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-006

Client Sample ID : 106

Date Collected : 04/29/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.41
62-53-3	Aniline							< 0.42
92-87-5	Benzidine							< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.084
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.84

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-007

Client Sample ID : 107

Date Collected : 04/29/2019 10:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.40
62-53-3	Aniline							< 0.41
92-87-5	Benzidine							< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.082
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.82

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-008

Client Sample ID : 108

Date Collected : 04/29/2019 11:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.41
62-53-3	Aniline							< 0.41
92-87-5	Benzidine							< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.082
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.82

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-1)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-001 19041196-002 19041196-003 19041196-004  
 Client Sample ID : 101 102 103 104  
 Date Collected : 04/29/2019 08:00 04/29/2019 08:15 04/29/2019 08:30 04/29/2019 09:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
12674-111-2	Aroclor 1016	1	---	1	---	---	---
11104-28-2	Aroclor 1221	1	---	1	---	---	---
11141-16-5	Aroclor 1232	1	---	1	---	---	---
53469-21-9	Aroclor 1242	1	---	1	---	---	---
12672-29-6	Aroclor 1248	1	---	1	---	---	---
11097-69-1	Aroclor 1254	1	---	1	---	---	---
11096-82-5	Aroclor 1260	1	---	1	---	---	---

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-1)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-005 19041196-006 19041196-007 19041196-008  
 Client Sample ID : 105 106 107 108  
 Date Collected : 04/29/2019 09:30 04/29/2019 10:00 04/29/2019 10:30 04/29/2019 11:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
12674-11-2	Aroclor 1016	1	---	1	---	---	---
11104-28-2	Aroclor 1221	1	---	1	---	---	---
11141-16-5	Aroclor 1232	1	---	1	---	---	---
53469-21-9	Aroclor 1242	1	---	1	---	---	---
12672-29-6	Aroclor 1248	1	---	1	---	---	---
11097-69-1	Aroclor 1254	1	---	1	---	---	---
11096-82-5	Aroclor 1260	1	---	1	---	---	---

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-001 19041196-002 19041196-003 19041196-004  
Client Sample ID : 101 102 103 104  
Date Collected : 04/29/2019 08:00 04/29/2019 08:15 04/29/2019 08:30 04/29/2019 09:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
72-54-8	4,4'-DDD	3	---	520	---	16	80	<0.0020 <0.0019 <0.0020
72-55-9	4,4'-DDE	2	---	370	---	54	270	<0.0020 <0.0019 <0.0020
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	<0.0020 <0.0019 <0.0020
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	<0.0020 <0.0019 <0.0020
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	<0.0020 <0.0019 <0.0020
5103-71-9	alpha-Chlordane							<0.0020 <0.0019 <0.0020
319-85-7	beta-BHC							<0.0020 <0.0019 <0.0020
57-74-9	Chlordane	1.8	72	100	22	10	48	<0.020 <0.019 <0.020
319-86-8	delta-BHC							<0.0020 <0.0019 <0.0020
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	<0.0020 <0.0019 <0.0020
959-98-8	Endosulfan I	470	---	1,200	---	18	90	<0.0020 <0.0019 <0.0020
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	<0.0020 <0.0019 <0.0020
1031-07-8	Endosulfan sulfate							<0.0020 <0.0019 <0.0020
72-20-8	Endrin	23	---	61	---	1	5	<0.0020 <0.0019 <0.0020
7421-93-4	Endrin aldehyde							<0.0020 <0.0019 <0.0020
53494-70-5	Endrin ketone							<0.0020 <0.0019 <0.0020
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	<0.0020 <0.0019 <0.0020
5566-34-7	gamma-Chlordane							<0.0020 <0.0019 <0.0020
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	<0.0020 <0.0019 <0.0020
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	<0.0020 <0.0019 <0.0020
72-43-5	Methoxychlor	390	---	1,000	---	160	780	<0.0020 <0.0019 <0.0020
8001-35-2	Toxaphene	0.6	89	110	240	31	150	<0.041 <0.039 <0.042

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

**Bolded/Shaded** values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID: 19041196-005 19041196-006 19041196-007 19041196-008  
Client Sample ID: 105 106 107 108  
Date Collected: 04/29/2019 09:30 04/29/2019 10:00 04/29/2019 10:30 04/29/2019 11:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for			Soil Component of Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Soil	Class I	Class II
72-54-8	4,4'-DDD	3	---	520	---	---	16	80
72-55-9	4,4'-DDE	2	---	370	---	---	54	270
50-29-3	4,4'-DDT	2	---	100	2,100	---	32	160
309-00-2	Aldrin	0.04	3	6.1	9.3	---	0.5	2.5
319-84-6	alpha-BHC	0.1	0.8	20	2.1	---	0.0005	0.003
5103-71-9	alpha-Chlordane							
319-85-7	beta-BHC							
57-74-9	Chlordane	1.8	72	100	22	---	10	48
319-86-8	delta-BHC					---		
60-57-1	Dieldrin	0.04	1	7.8	3.1	---	0.004	0.02
959-98-8	Endosulfan I	470	---	1,200	---	---	18	90
33213-65-9	Endosulfan II	470	---	1,200	---	---	18	90
1031-07-8	Endosulfan sulfate					---		
72-20-8	Endrin	23	---	61	---	---	1	5
7421-93-4	Endrin aldehyde					---		
53494-70-5	Endrin ketone					---		
58-89-9	gamma-BHC	0.5	---	96	---	---	0.009	0.047
5566-34-7	gamma-Chlordane					---		
76-44-8	Heptachlor	0.1	0.1	28	16	---	23	110
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	---	0.7	3.3
72-43-5	Methoxychlor	390	---	1,000	---	---	160	780
8001-35-2	Toxaphene	0.6	89	110	240	---	31	150

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-001 19041196-002 19041196-003  
Client Sample ID : 101 102 103  
Date Collected : 04/29/2019 08:00 04/29/2019 08:15 04/29/2019 08:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Exposure Route Values		Class I	Class II
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation		
7429-90-5	Aluminum							13000	11000
7440-36-0	Antimony	31	---	82	---			< 2.2	< 2.1
7440-38-2	Arsenic	13.0/11.3	750	61	25,000			3.1	7.1
7440-39-3	Barium	5,500	690,000	14,000	870,000			75	49
7440-41-7	Beryllium	160	1,300	410	44,000			0.79	0.76
7440-43-9	Cadmium	78	1,800	200	59,000			< 0.56	< 0.54
7440-70-2	Calcium	---	---	---	---			63000	61000
7440-47-3	Chromium	230	270	4,100	690			26	23
7440-48-4	Cobalt	4,700	---	12,000	---			12	12
7440-50-8	Copper	2,900	---	8,200	---			17	22
57-12-5	Cyanide	1,600	---	4,100	---			< 0.31	< 0.31
7439-89-6	Iron		---		---			21000	22000
7439-92-1	Lead	400	---	700	---			8.9	13
7439-95-4	Magnesium	325,000	---	730,000	---			28000	30000
7439-96-5	Manganese	1,600	69,000	4,100	8,700			430	410
7439-97-6	Mercury	23	10	61	0.1			< 0.019	< 0.021
7440-02-0	Nickel	1,600	13,000	4,100	440,000			33	34
7440-09-7	Potassium	---	---	---	---			3500	3000
7782-49-2	Selenium	390	---	1,000	---			< 1.1	< 1.1
7440-22-4	Silver	390	---	1,000	---			< 1.1	< 1.1
7440-23-5	Sodium	---	---	---	---			230	140
7440-28-0	Thallium	6.3	---	160	---			< 1.1	< 1.1
7440-62-2	Vanadium	550	---	1,400	---			24	23
7440-66-6	Zinc	23,000	---	61,000	---			45	45

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

**Bolded/Shaded** values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-004 19041196-005 19041196-006  
Client Sample ID : 104 105 106  
Date Collected : 04/29/2019 09:00 04/29/2019 09:30 04/29/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7429-90-5	Aluminum					15000	13000
7440-36-0	Antimony	31	---	82	---	< 2.3	< 2.2
7440-38-2	Arsenic	13.0/11.3	750	61	25,000	4.8	6.4
7440-39-3	Barium	5,500	690,000	14,000	870,000	87	94
7440-41-7	Beryllium	160	1,300	410	44,000	0.97	0.87
7440-43-9	Cadmium	78	1,800	200	59,000	< 0.58	< 0.55
7440-70-2	Calcium	---	---	---	---	53000	59000
7440-47-3	Chromium	230	270	4,100	690	28	26
7440-48-4	Cobalt	4,700	---	12,000	---	14	15
7440-50-8	Copper	2,900	---	8,200	---	26	23
57-12-5	Cyanide	1,600	---	4,100	---	< 0.32	< 0.32
7439-89-6	Iron	---	---	---	---	25000	22000
7439-92-1	Lead	400	---	700	---	12	13
7439-95-4	Magnesium	325,000	---	730,000	---	27000	30000
7439-96-5	Manganese	1,600	69,000	4,100	8,700	430	430
7439-97-6	Mercury	23	10	61	0.1	< 0.023	< 0.023
7440-02-0	Nickel	1,600	13,000	4,100	440,000	37	39
7440-09-7	Potassium	---	---	---	---	4300	3500
7782-49-2	Selenium	390	---	1,000	---	< 1.2	< 1.1
7440-22-4	Silver	390	---	1,000	---	< 1.2	< 1.1
7440-23-5	Sodium	---	---	---	---	170	160
7440-28-0	Thallium	6.3	---	160	---	< 1.2	< 1.1
7440-62-2	Vanadium	550	---	1,400	---	29	25
7440-66-6	Zinc	23,000	---	61,000	---	50	50

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

**Bolded/Shaded** values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-1)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-007 19041196-008  
 Client Sample ID : 107 108  
 Date Collected : 04/29/2019 10:30 04/29/2019 11:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7429-90-5	Aluminum					14000	15000
7440-36-0	Antimony	31	---	82	---	< 2.2	< 2.1
7440-38-2	Arsenic	13,0/11.3	750	61	25,000	9.7	8.0
7440-39-3	Barium	5,500	690,000	14,000	870,000	61	83
7440-41-7	Beryllium	160	1,300	410	44,000	0.86	0.95
7440-43-9	Cadmium	78	1,800	200	59,000	< 0.56	< 0.53
7440-70-2	Calcium	---	---	---	---	61000	60000
7440-47-3	Chromium	230	270	4,100	690	27	28
7440-48-4	Cobalt	4,700	---	12,000	---	16	15
7440-50-8	Copper	2,900	---	8,200	---	20	22
57-12-5	Cyanide	1,600	---	4,100	---	< 0.31	< 0.31
7439-89-6	Iron		---		---	21000	22000
7439-92-1	Lead	400	---	700	---	12	12
7439-95-4	Magnesium	325,000	---	730,000	---	29000	30000
7439-96-5	Manganese	1,600	69,000	4,100	8,700	430	440
7439-97-6	Mercury	23	10	61	0.1	< 0.019	< 0.024
7440-02-0	Nickel	1,600	13,000	4,100	440,000	42	39
7440-09-7	Potassium	---	---	---	---	4000	4500
7782-49-2	Selenium	390	---	1,000	---	< 1.1	< 1.1
7440-22-4	Silver	390	---	1,000	---	< 1.1	< 1.1
7440-23-5	Sodium	---	---	---	---	180	180
7440-28-0	Thallium	6.3	---	160	---	< 1.1	< 1.1
7440-62-2	Vanadium	550	---	1,400	---	27	29
7440-66-6	Zinc	23,000	---	61,000	---	50	51

All units are mg/kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID: 19041196-001 19041196-002 19041196-003 19041196-004  
Client Sample ID: 101 102 103 104  
Date Collected: 04/29/2019 08:00 04/29/2019 08:15 04/29/2019 08:30 04/29/2019 09:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7429-90-5	Aluminum					<0.10	<0.10
7440-36-0	Antimony					<0.015	<0.015
7440-38-2	Arsenic					<0.010	<0.010
7440-39-3	Barium					0.49	0.52
7440-41-7	Beryllium					<0.0050	<0.0050
7440-43-9	Cadmium					<0.0050	<0.0050
7440-47-3	Chromium					<0.010	<0.010
7440-48-4	Cobalt					0.013	0.020
7440-50-8	Copper					<0.10	<0.10
7439-89-6	Iron					<0.25	<0.25
7439-92-1	Lead					<0.0050	<0.0050
7439-96-5	Manganese					3.6	3.1
7439-97-6	Mercury					<0.00020	<0.00020
7440-02-0	Nickel					0.042	0.060
7782-49-2	Selenium					<0.010	<0.010
7440-22-4	Silver					<0.010	<0.010
7440-28-0	Thallium					<0.0050	<0.0050
7440-62-2	Vanadium					<0.010	<0.010
7440-66-6	Zinc					<0.050	<0.050

All units are mg/L unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

# TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-1)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-005 19041196-006 19041196-007 19041196-008  
 Client Sample ID : 105 106 107 108  
 Date Collected : 04/29/2019 09:30 04/29/2019 10:00 04/29/2019 10:30 04/29/2019 11:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7429-90-5	Aluminum					< 0.10	< 0.10
7440-36-0	Antimony					< 0.015	< 0.015
7440-38-2	Arsenic					< 0.010	< 0.010
7440-39-3	Barium					0.54	0.47
7440-41-7	Beryllium					< 0.0050	< 0.0050
7440-43-9	Cadmium					< 0.0050	< 0.0050
7440-47-3	Chromium					< 0.010	< 0.010
7440-48-4	Cobalt					0.020	0.013
7440-50-8	Copper					< 0.10	< 0.10
7439-89-6	Iron					< 0.25	< 0.25
7439-92-1	Lead					< 0.0050	< 0.0050
7439-96-5	Manganese					0.15	0.10
7439-97-6	Mercury					0.002	0.01
7440-02-0	Nickel					0.1	2.0
7782-49-2	Selenium					0.05	0.05
7440-22-4	Silver					0.05	---
7440-28-0	Thallium					0.002	0.02
7440-62-2	Vanadium					0.049	0.1
7440-66-6	Zinc					5.0	10

All units are mg/L unless otherwise noted.  
 Based on 35 IAC Part 742, Appendix B Table A.  
 Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
 Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



# TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-001 19041196-002 19041196-003 19041196-004 19041196-005  
Client Sample ID : 101 102 103 104 105  
Date Collected : 04/29/2019 08:00 04/29/2019 08:15 04/29/2019 08:30 04/29/2019 09:00 04/29/2019 09:30  
pH = 7.91 pH = 7.93 pH = 7.92 pH = 7.94 pH = 7.92

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values						
	Ingestion	Inhalation	pH Range 7.75 to 8.24						
			Class I		Class II				
Aluminum					13000	11000	14000	15000	14000
Antimony	31	---	5	20	<2.2	<2.1	<2.0	<2.3	<2.0
Arsenic	13.0/11.3	750	31	120	3.1	7.1	11	4.8	6.4
Barium	5,500	690,000	2,100	2,100	75	49	61	87	94
Beryllium	160	1,300	8,000	1,000,000	0.79	0.76	0.86	0.97	0.98
Cadmium	78	1,800	430	4,300	<0.56	<0.54	<0.51	<0.58	<0.51
Calcium	---	---			63000	61000	57000	53000	59000
Chromium	230	270	28	No Data	26	23	26	28	26
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	12	12	13	14	14
Copper	2,900	---	330,000	330,000	17	22	20	26	29
Cyanide	1,600	---	40	120	<0.31	<0.31	<0.31	<0.32	<0.31
Iron	---	---	See TCLP/SPLP	See TCLP/SPLP	21000	22000	21000	25000	26000
Lead	400	---	107	1,420	8.9	13	9.8	12	13
Magnesium	325,000	---			28000	30000	27000	27000	30000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP	430	410	400	430	470
Mercury	23	10 / 0.1*	8.0	40	<0.019	<0.021	<0.022	<0.023	<0.024
Nickel	1,600	13,000	3,800	76,000	33	34	35	37	39
Potassium	---	---			3500	3000	3900	4300	3800
Selenium	390	---	2.4	2.4	<1.1	<1.1	<1.0	<1.2	<1.0
Silver	390	---	110		<1.1	<1.1	<1.0	<1.2	<1.0
Sodium	---	---			230	140	200	170	170
Thallium	6.3	---	3.8	38	<1.1	<1.1	<1.0	<1.2	<1.0
Vanadium	550	---	980	See TCLP/SPLP	24	23	27	29	28
Zinc	23,000	---	53,000	110,000	45	45	48	50	51

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

**Bolded/Shaded** values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

TACO Tier I pH Specific Soil Remediation Objectives - Supplemental Residential Report

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-006 19041196-007 19041196-008  
Client Sample ID : 106 107 108  
Date Collected : 04/29/2019 10:00 04/29/2019 10:30 04/29/2019 11:00  
pH = 7.93 pH = 8.07 pH = 8.07

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values	
	Ingestion	Inhalation	pH Range 7.75 to 8.24	
			Class I	Class II
Aluminum				
Antimony	31	---	5	20
Arsenic	13.0/11.3	750	31	120
Barium	5,500	690,000	2,100	2,100
Beryllium	160	1,300	8,000	1,000,000
Cadmium	78	1,800	430	4,300
Calcium	---	---		
Chromium	230	270	28	No Data
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP
Copper	2,900	---	330,000	330,000
Cyanide	1,600	---	40	120
Iron	---	---	See TCLP/SPLP	See TCLP/SPLP
Lead	400	---	107	1,420
Magnesium	325,000	---		
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP
Mercury	23	10 / 0.1*	8.0	40
Nickel	1,600	13,000	3,800	76,000
Potassium	---	---		
Selenium	390	---	2.4	2.4
Silver	390	---	110	
Sodium	---	---		
Thallium	6.3	---	3.8	38
Vanadium	550	---	980	See TCLP/SPLP
Zinc	23,000	---	53,000	110,000
			50	50
			27	29
			50	51

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

**Bolded/Shaded** values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-1)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-001 19041196-002 19041196-003 19041196-004 19041196-005 19041196-006  
Client Sample ID : 101 102 103 104 105 106  
Date Collected : 04/29/2019 08:00 04/29/2019 08:15 04/29/2019 08:30 04/29/2019 09:00 04/29/2019 09:30 04/29/2019 10:00

	Analyte	Concentration of Chemicals in Background Soils					
		City of Chicago	Within MSA	Outside MSA			
PNA	Acenaphthene	0.09	0.13	0.04	< 0.041	< 0.041	< 0.041
	Acenaphthylene	0.03	0.07	0.04	< 0.041	< 0.041	< 0.041
	Anthracene	0.25	0.40	0.14	< 0.041	< 0.041	< 0.041
	Benz(a)anthracene	1.1	1.8	0.72	< 0.041	< 0.041	< 0.041
	Benzo(a)pyrene	1.3	2.1	0.98	< 0.041	< 0.041	< 0.041
	Benzo(b)fluoranthene	1.5	2.1	0.70	< 0.041	< 0.041	< 0.041
	Benzo(g,h,i)perylene	0.68	1.7	0.84	< 0.041	< 0.041	< 0.041
	Benzo(k)fluoranthene	0.99	1.7	0.63	< 0.041	< 0.041	< 0.041
	Chrysene	1.2	2.7	1.1	< 0.041	< 0.041	< 0.041
	Dibenz(a,h)anthracene	0.20	0.42	0.15	< 0.041	< 0.041	< 0.041
	Fluoranthene	2.7	4.1	1.8	< 0.041	< 0.041	< 0.041
	Fluorene	0.10	0.18	0.04	< 0.041	< 0.041	< 0.041
	Indeno(1,2,3-cd)pyrene	0.86	1.6	0.51	< 0.041	< 0.041	< 0.041
INORG	Naphthalene	0.04	0.20	0.17	< 0.041	< 0.041	< 0.041
	Phenanthrene	1.3	2.5	0.99	< 0.041	< 0.041	< 0.041
	Pyrene	1.9	3.0	1.2	< 0.041	< 0.041	< 0.041
	Aluminum		9,500	9,200	13000	15000	13000
	Antimony		4.0	3.3	< 2.1	< 2.3	< 2.2
	Arsenic		13.0	11.3	7.1	4.8	6.4
	Barium		110	122	49	87	94
	Beryllium		0.59	0.56	0.76	0.97	0.98
	Cadmium		0.6	0.50	< 0.54	< 0.58	< 0.51
	Calcium		9,300	5,525	61000	53000	59000
	Chromium		16.2	13.0	26	28	26
	Cobalt		8.9	8.9	12	14	15
	Copper		19.6	12.0	22	26	23
	Cyanide		0.51	0.50	< 0.31	< 0.31	< 0.32
	Iron		15,900	15,000	21000	25000	22000
	Lead		36.0	20.9	8.9	9.8	13
	Magnesium		4,820	2,700	30000	27000	30000
	Manganese		636	630	410	430	430
	Mercury		0.06	0.05	< 0.021	< 0.023	< 0.024
	Nickel		18.0	13.0	33	35	39
	Potassium		1,268	1,100	3500	3900	3800
	Selenium		0.48	0.37	< 1.1	< 1.2	< 1.1
	Silver		0.55	0.50	< 1.1	< 1.2	< 1.1
	Sodium		130	130.0	230	200	170
	Thallium		0.32	0.42	< 1.1	< 1.2	< 1.1
	Vanadium		25.2	25.0	24	27	28
	Zinc		95.0	60.2	45	50	51

MSA - Metropolitan Statistical Area  
All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix A Table G and Table H.  
Bolded/Shaded values exceed the within MSA background level.

Laboratory ID :	19041196-007	19041196-008
Client Sample ID :	107	108
Date Collected :	04/29/2019 10:30	04/29/2019 11:00

	Analyte	Concentration of Chemicals in Background Soils				
		City of Chicago	Within MSA	Outside MSA		
PNA	Acenaphthene	0.09	0.13	0.04	<0.040	<0.041
	Acenaphthylene	0.03	0.07	0.04	<0.040	<0.041
	Anthracene	0.25	0.40	0.14	<0.040	<0.041
	Benz(a)anthracene	1.1	1.8	0.72	<0.040	<0.041
	Benzo(a)pyrene	1.3	2.1	0.98	<0.040	<0.041
	Benzo(b)fluoranthene	1.5	2.1	0.70	<0.040	<0.041
	Benzo(g,h,i)perylene	0.68	1.7	0.84	<0.040	<0.041
	Benzo(k)fluoranthene	0.99	1.7	0.63	<0.040	<0.041
	Chrysene	1.2	2.7	1.1	<0.040	<0.041
	Dibenz(a,h)anthracene	0.20	0.42	0.15	<0.040	<0.041
INORG	Fluoranthene	2.7	4.1	1.8	<0.040	<0.041
	Fluorene	0.10	0.18	0.04	<0.040	<0.041
	Indeno(1,2,3-cd)pyrene	0.86	1.6	0.51	<0.040	<0.041
	Naphthalene	0.04	0.20	0.17	<0.040	<0.041
	Phenanthrene	1.3	2.5	0.99	<0.040	<0.041
	Pyrene	1.9	3.0	1.2	<0.040	<0.041
	Aluminum		9,500	9,200	14000	15000
	Antimony		4.0	3.3	<2.2	<2.1
	Arsenic		13.0	11.3	9.7	8.0
	Barium		110	122	61	83
	Beryllium		0.59	0.56	0.86	0.95
	Cadmium		0.6	0.50	<0.56	<0.53
	Calcium		9,300	5,525	61000	60000
	Chromium		16.2	13.0	27	28
	Cobalt		8.9	8.9	16	15
	Copper		19.6	12.0	20	22
	Cyanide		0.51	0.50	<0.31	<0.31
	Iron		15,900	15,000	21000	22000
	Lead		36.0	20.9	12	12
	Magnesium		4,820	2,700	29000	30000
	Manganese		636	630	430	440
	Mercury		0.06	0.05	<0.019	<0.024
	Nickel		18.0	13.0	42	39
	Potassium		1,268	1,100	4000	4500
	Selenium		0.48	0.37	<1.1	<1.1
	Silver		0.55	0.50	<1.1	<1.1
	Sodium		130	130.0	180	180
	Thallium		0.32	0.42	<1.1	<1.1
	Vanadium		25.2	25.0	27	29
	Zinc		95.0	60.2	50	51

**MSA - Metropolitan Statistical Area**  
All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix A Table G and Table H.  
**Bolded/Shaded** values exceed the within MSA background level.

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-001 19041196-002  
 Client Sample ID : 101 102  
 Date Collected : 04/29/2019 08:00 04/29/2019 08:15

		Soil Saturation Limits for Chemicals With Melting Point < 30°C			
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route		
CAS No.	Analyte	C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)		
VOC	67-64-1 Acetone	100,000	200,000	< 0.091	< 0.11
	71-43-2 Benzene	800	580	< 0.0061	< 0.0074
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0061	< 0.0074
	75-25-2 Bromoform	2,000	1,200	< 0.0061	< 0.0074
	74-83-9 Bromomethane	3,100	3,600	< 0.012	< 0.015
	78-93-3 2-Butanone	25,000	45,000	< 0.091	< 0.11
	75-15-0 Carbon disulfide	850	520	< 0.061	< 0.074
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0061	< 0.0074
	108-90-7 Chlorobenzene	620	290	< 0.0061	< 0.0074
	67-66-3 Chloroform	3,400	2,500	< 0.0061	< 0.0074
	124-48-1 Dibromochloromethane	1,400	890	< 0.0061	< 0.0074
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0061	< 0.0074
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0061	< 0.0074
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0061	< 0.0074
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0061	< 0.0074
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0061	< 0.0074
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0061	< 0.0074
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0024	< 0.0030
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0024	< 0.0030
	100-41-4 Ethylbenzene	350	150	< 0.0061	< 0.0074
	75-09-2 Methylene chloride	2,500	3,000	< 0.012	< 0.015
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0061	< 0.0074
	100-42-5 Styrene	630	260	< 0.0061	< 0.0074
	127-18-4 Tetrachloroethene	800	310	< 0.0061	< 0.0074
	108-88-3 Toluene	580	290	< 0.0061	< 0.0074
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0061	< 0.0074
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0061	< 0.0074
	79-01-6 Trichloroethene	1,200	650	< 0.0061	< 0.0074
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0061	< 0.0074
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.018	< 0.022
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.21
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.041	< 0.041
	98-95-3 Nitrobenzene	710	590	< 0.041	< 0.041
INORG	7439-97-6 Mercury	3.1	N/A	< 0.019	< 0.021

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-003 19041196-004  
 Client Sample ID : 103 104  
 Date Collected : 04/29/2019 08:30 04/29/2019 09:00

		Soil Saturation Limits for Chemicals With Melting Point < 30°C			
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route		
		C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)		
CAS No.	Analyte				
VOC	67-64-1 Acetone	100,000	200,000	< 0.083	< 0.13
	71-43-2 Benzene	800	580	< 0.0055	< 0.0087
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0055	< 0.0087
	75-25-2 Bromoform	2,000	1,200	< 0.0055	< 0.0087
	74-83-9 Bromomethane	3,100	3,600	< 0.011	< 0.017
	78-93-3 2-Butanone	25,000	45,000	< 0.083	< 0.13
	75-15-0 Carbon disulfide	850	520	< 0.055	< 0.087
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0055	< 0.0087
	108-90-7 Chlorobenzene	620	290	< 0.0055	< 0.0087
	67-66-3 Chloroform	3,400	2,500	< 0.0055	< 0.0087
	124-48-1 Dibromochloromethane	1,400	890	< 0.0055	< 0.0087
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0055	< 0.0087
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0055	< 0.0087
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0055	< 0.0087
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0055	< 0.0087
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0055	< 0.0087
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0055	< 0.0087
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0022	< 0.0035
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0022	< 0.0035
	100-41-4 Ethylbenzene	350	150	< 0.0055	< 0.0087
	75-09-2 Methylene chloride	2,500	3,000	< 0.011	< 0.017
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0055	< 0.0087
	100-42-5 Styrene	630	260	< 0.0055	< 0.0087
	127-18-4 Tetrachloroethene	800	310	< 0.0055	< 0.0087
	108-88-3 Toluene	580	290	< 0.0055	< 0.0087
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0055	< 0.0087
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0055	< 0.0087
	79-01-6 Trichloroethene	1,200	650	< 0.0055	< 0.0087
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0055	< 0.0087
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.017	< 0.026
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.22
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.22
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.22
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.22
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.22
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.1
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.22
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.22
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.22
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.22
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.22
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.22
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.040	< 0.042
	98-95-3 Nitrobenzene	710	590	< 0.040	< 0.042
INORG	7439-97-6 Mercury	3.1	N/A	< 0.022	< 0.023

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-005 19041196-006  
 Client Sample ID : 105 106  
 Date Collected : 04/29/2019 09:30 04/29/2019 10:00

		Soil Saturation Limits for Chemicals With Melting Point < 30°C			
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route		
		C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)		
CAS No.	Analyte				
VOC	67-64-1 Acetone	100,000	200,000	< 0.11	< 0.10
	71-43-2 Benzene	800	580	< 0.0073	< 0.0070
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0073	< 0.0070
	75-25-2 Bromoform	2,000	1,200	< 0.0073	< 0.0070
	74-83-9 Bromomethane	3,100	3,600	< 0.015	< 0.014
	78-93-3 2-Butanone	25,000	45,000	< 0.11	< 0.10
	75-15-0 Carbon disulfide	850	520	< 0.073	< 0.070
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0073	< 0.0070
	108-90-7 Chlorobenzene	620	290	< 0.0073	< 0.0070
	67-66-3 Chloroform	3,400	2,500	< 0.0073	< 0.0070
	124-48-1 Dibromochloromethane	1,400	890	< 0.0073	< 0.0070
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0073	< 0.0070
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0073	< 0.0070
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0073	< 0.0070
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0073	< 0.0070
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0073	< 0.0070
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0073	< 0.0070
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0029	< 0.0028
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0029	< 0.0028
	100-41-4 Ethylbenzene	350	150	< 0.0073	< 0.0070
	75-09-2 Methylene chloride	2,500	3,000	< 0.015	< 0.014
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0073	< 0.0070
	100-42-5 Styrene	630	260	< 0.0073	< 0.0070
	127-18-4 Tetrachloroethene	800	310	< 0.0073	< 0.0070
	108-88-3 Toluene	580	290	< 0.0073	< 0.0070
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0073	< 0.0070
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0073	< 0.0070
	79-01-6 Trichloroethene	1,200	650	< 0.0073	< 0.0070
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0073	< 0.0070
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.022	< 0.021
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.21
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.040	< 0.041
	98-95-3 Nitrobenzene	710	590	< 0.040	< 0.041
INORG	7439-97-6 Mercury	3.1	N/A	< 0.024	< 0.023

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041196-007 19041196-008  
 Client Sample ID : 107 108  
 Date Collected : 04/29/2019 10:30 04/29/2019 11:00

		Soil Saturation Limits for Chemicals With Melting Point < 30°C			
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route		
		C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)		
CAS No.	Analyte				
VOC	67-64-1 Acetone	100,000	200,000	< 0.19	< 0.11
	71-43-2 Benzene	800	580	< 0.013	< 0.0075
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.013	< 0.0075
	75-25-2 Bromoform	2,000	1,200	< 0.013	< 0.0075
	74-83-9 Bromomethane	3,100	3,600	< 0.025	< 0.015
	78-93-3 2-Butanone	25,000	45,000	< 0.19	< 0.11
	75-15-0 Carbon disulfide	850	520	< 0.13	< 0.075
	56-23-5 Carbon tetrachloride	1,200	560	< 0.013	< 0.0075
	108-90-7 Chlorobenzene	620	290	< 0.013	< 0.0075
	67-66-3 Chloroform	3,400	2,500	< 0.013	< 0.0075
	124-48-1 Dibromochloromethane	1,400	890	< 0.013	< 0.0075
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.013	< 0.0075
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.013	< 0.0075
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.013	< 0.0075
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.013	< 0.0075
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.013	< 0.0075
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.013	< 0.0075
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0050	< 0.0030
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0050	< 0.0030
	100-41-4 Ethylbenzene	350	150	< 0.013	< 0.0075
	75-09-2 Methylene chloride	2,500	3,000	< 0.025	< 0.015
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.013	< 0.0075
	100-42-5 Styrene	630	260	< 0.013	< 0.0075
	127-18-4 Tetrachloroethene	800	310	< 0.013	< 0.0075
	108-88-3 Toluene	580	290	< 0.013	< 0.0075
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.013	< 0.0075
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.013	< 0.0075
	79-01-6 Trichloroethene	1,200	650	< 0.013	< 0.0075
	75-01-4 Vinyl chloride	2,600	2,900	< 0.013	< 0.0075
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.038	< 0.023
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.21
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.040	< 0.041
	98-95-3 Nitrobenzene	710	590	< 0.040	< 0.041
INORG	7439-97-6 Mercury	3.1	N/A	< 0.019	< 0.024



**TACO Tier I Soil Remediation Objectives - Residential Exceedance Report**

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Aluminum	101	13000	9,500	Within MSA Background Outside MSA Background
		102	11000	9,200	
		103	14000		
		104	15000		
		105	14000		
		106	13000		
		107	14000		
		108	15000		
INORG	Beryllium	101	0.79	0.59	Within MSA Background Outside MSA Background
		102	0.76	0.56	
		103	0.86		
		104	0.97		
		105	0.98		
		106	0.87		
		107	0.86		
		108	0.95		
INORG	Calcium	101	63000	9,300	Within MSA Background Outside MSA Background
		102	61000	5,525	
		103	57000		
		104	53000		
		105	59000		
		106	57000		
		107	61000		
		108	60000		
INORG	Chromium	101	26	16.2	Within MSA Background Outside MSA Background
		102	23	13.0	
		103	26		
		104	28		
		105	26		
		106	26		
		107	27		
		108	28		
INORG	Cobalt	101	12	8.9	Within MSA Background Outside MSA Background
		102	12	8.9	
		103	13		
		104	14		
		105	14		
		106	15		
		107	16		
		108	15		
INORG	Copper	101	17	19.6	Within MSA Background Outside MSA Background
		102	22	12.0	
		103	20		
		104	26		
		105	29		
		106	23		
		107	20		
		108	22		

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Iron	101	21000	15,900	Within MSA Background Outside MSA Background
		102	22000	15,000	
		103	21000		
		104	25000		
		105	26000		
		106	22000		
		107	21000		
		108	22000		
INORG	Magnesium	101	28000	4,820	Within MSA Background Outside MSA Background
		102	30000	2,700	
		103	27000		
		104	27000		
		105	30000		
		106	28000		
		107	29000		
		108	30000		
INORG	Nickel	101	33	18.0	Within MSA Background Outside MSA Background
		102	34	13.0	
		103	35		
		104	37		
		105	39		
		106	40		
		107	42		
		108	39		
INORG	Potassium	101	3500	1,268	Within MSA Background Outside MSA Background
		102	3000	1,100	
		103	3900		
		104	4300		
		105	3800		
		106	3500		
		107	4000		
		108	4500		
INORG	Sodium	101	230	130	Within MSA Background Outside MSA Background
		102	140	130.0	
		103	200		
		104	170		
		105	170		
		106	160		
		107	180		
		108	180		
INORG	Vanadium	103	27	25.2	Within MSA Background Outside MSA Background
		104	29	25.0	
		105	28		
		107	27		
		108	29		
TCLP	Manganese	101	3.6 *	0.15	SCGIR Class I
		102	5.8 *		
		103	3.1 *		
		104	3.0 *		
		105	3.3 *		
		106	2.9 *		
		107	3.2 *		
		108	3.7 *		

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
TCLP	Manganese	101	3.6 *	0.15	SCGIR Class I
TCLP	Manganese	102	5.8 *	0.15	SCGIR Class I
TCLP	Manganese	103	3.1 *	0.15	SCGIR Class I
TCLP	Manganese	104	3.0 *	0.15	SCGIR Class I
TCLP	Manganese	105	3.3 *	0.15	SCGIR Class I
TCLP	Manganese	106	2.9 *	0.15	SCGIR Class I
TCLP	Manganese	107	3.2 *	0.15	SCGIR Class I
TCLP	Manganese	108	3.7 *	0.15	SCGIR Class I
INORG	Aluminum	101	13000	9,500	Within MSA Background
INORG	Beryllium	101	0.79	0.59	Within MSA Background
INORG	Calcium	101	63000	9,300	Within MSA Background
INORG	Chromium	101	26	16.2	Within MSA Background
INORG	Cobalt	101	12	8.9	Within MSA Background
INORG	Iron	101	21000	15,900	Within MSA Background
INORG	Magnesium	101	28000	4,820	Within MSA Background
INORG	Nickel	101	33	18.0	Within MSA Background
INORG	Potassium	101	3500	1,268	Within MSA Background
INORG	Sodium	101	230	130	Within MSA Background
INORG	Aluminum	102	11000	9,500	Within MSA Background
INORG	Beryllium	102	0.76	0.59	Within MSA Background
INORG	Calcium	102	61000	9,300	Within MSA Background
INORG	Chromium	102	23	16.2	Within MSA Background
INORG	Cobalt	102	12	8.9	Within MSA Background
INORG	Copper	102	22	19.6	Within MSA Background
INORG	Iron	102	22000	15,900	Within MSA Background
INORG	Magnesium	102	30000	4,820	Within MSA Background
INORG	Nickel	102	34	18.0	Within MSA Background
INORG	Potassium	102	3000	1,268	Within MSA Background
INORG	Sodium	102	140	130	Within MSA Background
INORG	Aluminum	103	14000	9,500	Within MSA Background
INORG	Beryllium	103	0.86	0.59	Within MSA Background
INORG	Calcium	103	57000	9,300	Within MSA Background
INORG	Chromium	103	26	16.2	Within MSA Background
INORG	Cobalt	103	13	8.9	Within MSA Background
INORG	Copper	103	20	19.6	Within MSA Background
INORG	Iron	103	21000	15,900	Within MSA Background
INORG	Magnesium	103	27000	4,820	Within MSA Background
INORG	Nickel	103	35	18.0	Within MSA Background
INORG	Potassium	103	3900	1,268	Within MSA Background
INORG	Sodium	103	200	130	Within MSA Background
INORG	Vanadium	103	27	25.2	Within MSA Background
INORG	Aluminum	104	15000	9,500	Within MSA Background
INORG	Beryllium	104	0.97	0.59	Within MSA Background
INORG	Calcium	104	53000	9,300	Within MSA Background
INORG	Chromium	104	28	16.2	Within MSA Background
INORG	Cobalt	104	14	8.9	Within MSA Background
INORG	Copper	104	26	19.6	Within MSA Background
INORG	Iron	104	25000	15,900	Within MSA Background
INORG	Magnesium	104	27000	4,820	Within MSA Background
INORG	Nickel	104	37	18.0	Within MSA Background
INORG	Potassium	104	4300	1,268	Within MSA Background
INORG	Sodium	104	170	130	Within MSA Background
INORG	Vanadium	104	29	25.2	Within MSA Background
INORG	Aluminum	105	14000	9,500	Within MSA Background
INORG	Beryllium	105	0.98	0.59	Within MSA Background
INORG	Calcium	105	59000	9,300	Within MSA Background
INORG	Chromium	105	26	16.2	Within MSA Background
INORG	Cobalt	105	14	8.9	Within MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Copper	105	29	19.6	Within MSA Background
INORG	Iron	105	26000	15,900	Within MSA Background
INORG	Magnesium	105	30000	4,820	Within MSA Background
INORG	Nickel	105	39	18.0	Within MSA Background
INORG	Potassium	105	3800	1,268	Within MSA Background
INORG	Sodium	105	170	130	Within MSA Background
INORG	Vanadium	105	28	25.2	Within MSA Background
INORG	Aluminum	106	13000	9,500	Within MSA Background
INORG	Beryllium	106	0.87	0.59	Within MSA Background
INORG	Calcium	106	57000	9,300	Within MSA Background
INORG	Chromium	106	26	16.2	Within MSA Background
INORG	Cobalt	106	15	8.9	Within MSA Background
INORG	Copper	106	23	19.6	Within MSA Background
INORG	Iron	106	22000	15,900	Within MSA Background
INORG	Magnesium	106	28000	4,820	Within MSA Background
INORG	Nickel	106	40	18.0	Within MSA Background
INORG	Potassium	106	3500	1,268	Within MSA Background
INORG	Sodium	106	160	130	Within MSA Background
INORG	Aluminum	107	14000	9,500	Within MSA Background
INORG	Beryllium	107	0.86	0.59	Within MSA Background
INORG	Calcium	107	61000	9,300	Within MSA Background
INORG	Chromium	107	27	16.2	Within MSA Background
INORG	Cobalt	107	16	8.9	Within MSA Background
INORG	Copper	107	20	19.6	Within MSA Background
INORG	Iron	107	21000	15,900	Within MSA Background
INORG	Magnesium	107	29000	4,820	Within MSA Background
INORG	Nickel	107	42	18.0	Within MSA Background
INORG	Potassium	107	4000	1,268	Within MSA Background
INORG	Sodium	107	180	130	Within MSA Background
INORG	Vanadium	107	27	25.2	Within MSA Background
INORG	Aluminum	108	15000	9,500	Within MSA Background
INORG	Beryllium	108	0.95	0.59	Within MSA Background
INORG	Calcium	108	60000	9,300	Within MSA Background
INORG	Chromium	108	28	16.2	Within MSA Background
INORG	Cobalt	108	15	8.9	Within MSA Background
INORG	Copper	108	22	19.6	Within MSA Background
INORG	Iron	108	22000	15,900	Within MSA Background
INORG	Magnesium	108	30000	4,820	Within MSA Background
INORG	Nickel	108	39	18.0	Within MSA Background
INORG	Potassium	108	4500	1,268	Within MSA Background
INORG	Sodium	108	180	130	Within MSA Background
INORG	Vanadium	108	29	25.2	Within MSA Background
INORG	Aluminum	101	13000	9,200	Outside MSA Background
INORG	Beryllium	101	0.79	0.56	Outside MSA Background
INORG	Calcium	101	63000	5,525	Outside MSA Background
INORG	Chromium	101	26	13.0	Outside MSA Background
INORG	Cobalt	101	12	8.9	Outside MSA Background
INORG	Copper	101	17	12.0	Outside MSA Background
INORG	Iron	101	21000	15,000	Outside MSA Background
INORG	Magnesium	101	28000	2,700	Outside MSA Background
INORG	Nickel	101	33	13.0	Outside MSA Background
INORG	Potassium	101	3500	1,100	Outside MSA Background
INORG	Sodium	101	230	130.0	Outside MSA Background
INORG	Aluminum	102	11000	9,200	Outside MSA Background
INORG	Beryllium	102	0.76	0.56	Outside MSA Background
INORG	Calcium	102	61000	5,525	Outside MSA Background
INORG	Chromium	102	23	13.0	Outside MSA Background
INORG	Cobalt	102	12	8.9	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Copper	102	22	12.0	Outside MSA Background
INORG	Iron	102	22000	15,000	Outside MSA Background
INORG	Magnesium	102	30000	2,700	Outside MSA Background
INORG	Nickel	102	34	13.0	Outside MSA Background
INORG	Potassium	102	3000	1,100	Outside MSA Background
INORG	Sodium	102	140	130.0	Outside MSA Background
INORG	Aluminum	103	14000	9,200	Outside MSA Background
INORG	Beryllium	103	0.86	0.56	Outside MSA Background
INORG	Calcium	103	57000	5,525	Outside MSA Background
INORG	Chromium	103	26	13.0	Outside MSA Background
INORG	Cobalt	103	13	8.9	Outside MSA Background
INORG	Copper	103	20	12.0	Outside MSA Background
INORG	Iron	103	21000	15,000	Outside MSA Background
INORG	Magnesium	103	27000	2,700	Outside MSA Background
INORG	Nickel	103	35	13.0	Outside MSA Background
INORG	Potassium	103	3900	1,100	Outside MSA Background
INORG	Sodium	103	200	130.0	Outside MSA Background
INORG	Vanadium	103	27	25.0	Outside MSA Background
INORG	Aluminum	104	15000	9,200	Outside MSA Background
INORG	Beryllium	104	0.97	0.56	Outside MSA Background
INORG	Calcium	104	53000	5,525	Outside MSA Background
INORG	Chromium	104	28	13.0	Outside MSA Background
INORG	Cobalt	104	14	8.9	Outside MSA Background
INORG	Copper	104	26	12.0	Outside MSA Background
INORG	Iron	104	25000	15,000	Outside MSA Background
INORG	Magnesium	104	27000	2,700	Outside MSA Background
INORG	Nickel	104	37	13.0	Outside MSA Background
INORG	Potassium	104	4300	1,100	Outside MSA Background
INORG	Sodium	104	170	130.0	Outside MSA Background
INORG	Vanadium	104	29	25.0	Outside MSA Background
INORG	Aluminum	105	14000	9,200	Outside MSA Background
INORG	Beryllium	105	0.98	0.56	Outside MSA Background
INORG	Calcium	105	59000	5,525	Outside MSA Background
INORG	Chromium	105	26	13.0	Outside MSA Background
INORG	Cobalt	105	14	8.9	Outside MSA Background
INORG	Copper	105	29	12.0	Outside MSA Background
INORG	Iron	105	26000	15,000	Outside MSA Background
INORG	Magnesium	105	30000	2,700	Outside MSA Background
INORG	Nickel	105	39	13.0	Outside MSA Background
INORG	Potassium	105	3800	1,100	Outside MSA Background
INORG	Sodium	105	170	130.0	Outside MSA Background
INORG	Vanadium	105	28	25.0	Outside MSA Background
INORG	Aluminum	106	13000	9,200	Outside MSA Background
INORG	Beryllium	106	0.87	0.56	Outside MSA Background
INORG	Calcium	106	57000	5,525	Outside MSA Background
INORG	Chromium	106	26	13.0	Outside MSA Background
INORG	Cobalt	106	15	8.9	Outside MSA Background
INORG	Copper	106	23	12.0	Outside MSA Background
INORG	Iron	106	22000	15,000	Outside MSA Background
INORG	Magnesium	106	28000	2,700	Outside MSA Background
INORG	Nickel	106	40	13.0	Outside MSA Background
INORG	Potassium	106	3500	1,100	Outside MSA Background
INORG	Sodium	106	160	130.0	Outside MSA Background
INORG	Aluminum	107	14000	9,200	Outside MSA Background
INORG	Beryllium	107	0.86	0.56	Outside MSA Background
INORG	Calcium	107	61000	5,525	Outside MSA Background
INORG	Chromium	107	27	13.0	Outside MSA Background
INORG	Cobalt	107	16	8.9	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-1)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Copper	107	20	12.0	Outside MSA Background
INORG	Iron	107	21000	15,000	Outside MSA Background
INORG	Magnesium	107	29000	2,700	Outside MSA Background
INORG	Nickel	107	42	13.0	Outside MSA Background
INORG	Potassium	107	4000	1,100	Outside MSA Background
INORG	Sodium	107	180	130.0	Outside MSA Background
INORG	Vanadium	107	27	25.0	Outside MSA Background
INORG	Aluminum	108	15000	9,200	Outside MSA Background
INORG	Beryllium	108	0.95	0.56	Outside MSA Background
INORG	Calcium	108	60000	5,525	Outside MSA Background
INORG	Chromium	108	28	13.0	Outside MSA Background
INORG	Cobalt	108	15	8.9	Outside MSA Background
INORG	Copper	108	22	12.0	Outside MSA Background
INORG	Iron	108	22000	15,000	Outside MSA Background
INORG	Magnesium	108	30000	2,700	Outside MSA Background
INORG	Nickel	108	39	13.0	Outside MSA Background
INORG	Potassium	108	4500	1,100	Outside MSA Background
INORG	Sodium	108	180	130.0	Outside MSA Background
INORG	Vanadium	108	29	25.0	Outside MSA Background

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID :	19041193-001	19041193-002	19041193-003	19041193-004
Client Sample ID :	109	110	111	112
Date Collected :	04/30/2019 08:00	04/30/2019 08:30	04/30/2019 09:00	04/30/2019 09:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
		70,000	100,000	-----	100,000	25	25				
67-64-1	Acetone	12	0.8	2,300	2.2	0.03	0.17	<0.082	<0.089	<0.092	<0.10
71-43-2	Benzene	10	3,000	2,000	3,000	0.6	0.6	<0.082	<0.089	<0.061	<0.066
75-27-4	Bromodichloromethane	81	53	16,000	140	0.8	0.8	<0.082	<0.089	<0.061	<0.066
75-25-2	Bromoform	110	10	1,000	3.9	0.2	1.2	<0.016	<0.018	<0.012	<0.013
74-83-9	Bromomethane							<0.12	<0.13	<0.092	<0.10
78-93-3	2-Butanone										
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	<0.082	<0.089	<0.061	<0.066
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	<0.082	<0.089	<0.061	<0.066
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	<0.082	<0.089	<0.061	<0.066
75-00-3	Chloroethane							<0.016	<0.018	<0.012	<0.013
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	<0.082	<0.089	<0.061	<0.066
74-87-3	Chloromethane							<0.016	<0.018	<0.012	<0.013
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	<0.082	<0.089	<0.061	<0.066
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	<0.082	<0.089	<0.061	<0.066
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	<0.082	<0.089	<0.061	<0.066
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	<0.082	<0.089	<0.061	<0.066
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	<0.082	<0.089	<0.061	<0.066
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	<0.082	<0.089	<0.061	<0.066
78-87-5	1,2-Dichloropropane	9	15	1,800	0.50	0.03	0.15	<0.082	<0.089	<0.061	<0.066
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	<0.033	<0.036	<0.024	<0.027
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	<0.033	<0.036	<0.024	<0.027
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	<0.082	<0.089	<0.061	<0.066
591-78-6	2-Hexanone							<0.033	<0.036	<0.024	<0.027
108-10-1	4-Methyl-2-pentanone							<0.033	<0.036	<0.024	<0.027
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	<0.016	<0.018	<0.012	<0.013
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	<0.082	<0.089	<0.061	<0.066
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	<0.082	<0.089	<0.061	<0.066
79-34-5	1,1,2,2-Tetrachloroethane							<0.082	<0.089	<0.061	<0.066
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	<0.082	<0.089	<0.061	<0.066
108-88-3	Toluene	16,000	650	410,000	42	12	29	<0.082	<0.089	<0.061	<0.066
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	<0.082	<0.089	<0.061	<0.066
79-00-5	1,1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	<0.082	<0.089	<0.061	<0.066
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	<0.082	<0.089	<0.061	<0.066
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	<0.082	<0.089	<0.061	<0.066
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	<0.025	<0.027	<0.018	<0.020

All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
**Bolded/Shaded** values have detected results exceeding the lowest Tier I remediation objective.  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (VOC)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-005 19041193-006 19041193-007 19041193-008  
Client Sample ID : 113 114 115 116  
Date Collected : 04/30/2019 10:00 04/30/2019 10:30 04/30/2019 11:00 04/30/2019 11:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		Class I	Class II	<0.22	<0.095	<0.21	<0.11
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation						
67-64-1	Acetone	70,000	100,000	-----	100,000	25	25	25	25	<0.22	<0.095	<0.21	<0.11
71-43-2	Benzene	12	0.8	2,300	2.2	0.03	0.17	0.03	0.17	<0.014	<0.0064	<0.014	<0.0073
75-27-4	Bromodichloromethane	10	3,000	2,000	3,000	0.6	0.6	0.6	0.6	<0.014	<0.0064	<0.014	<0.0073
75-25-2	Bromoform	81	53	16,000	140	0.8	0.8	0.8	0.8	<0.014	<0.0064	<0.014	<0.0073
74-83-9	Bromomethane	110	10	1,000	3.9	0.2	1.2	0.2	1.2	<0.029	<0.013	<0.028	<0.015
78-93-3	2-Butanone									<0.22	<0.095	<0.21	<0.11
75-15-0	Carbon disulfide	7,800	720	20,000	9.0	32	160	32	160	<0.14	<0.064	<0.14	<0.073
56-23-5	Carbon tetrachloride	5	0.3	410	0.90	0.07	0.33	0.07	0.33	<0.014	<0.0064	<0.014	<0.0073
108-90-7	Chlorobenzene	1,600	130	4,100	1.3	1	6.5	1	6.5	<0.014	<0.0064	<0.014	<0.0073
75-00-3	Chloroethane									<0.029	<0.013	<0.028	<0.015
67-66-3	Chloroform	100	0.3	2,000	0.76	0.6	2.9	0.6	2.9	<0.014	<0.0064	<0.014	<0.0073
74-87-3	Chloromethane									<0.029	<0.013	<0.028	<0.015
124-48-1	Dibromochloromethane	1,600	1,300	41,000	1,300	0.4	0.4	0.4	0.4	<0.014	<0.0064	<0.014	<0.0073
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	130	23	110	23	110	<0.014	<0.0064	<0.014	<0.0073
107-06-2	1,2-Dichloroethane	7	0.4	1,400	0.99	0.02	0.1	0.02	0.1	<0.014	<0.0064	<0.014	<0.0073
75-35-4	1,1-Dichloroethene	3,900	290	10,000	3.0	0.06	0.3	0.06	0.3	<0.014	<0.0064	<0.014	<0.0073
156-59-2	cis-1,2-Dichloroethene	780	1,200	20,000	1,200	0.4	1.1	0.4	1.1	<0.014	<0.0064	<0.014	<0.0073
156-60-5	trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	0.7	3.4	0.7	3.4	<0.014	<0.0064	<0.014	<0.0073
78-87-5	1,2-Dichloropropane	9	1.5	1,800	0.50	0.03	0.15	0.03	0.15	<0.014	<0.0064	<0.014	<0.0073
10061-01-5	cis-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	0.004	0.02	<0.0058	<0.0025	<0.0055	<0.0029
10061-02-6	trans-1,3-Dichloropropene	6	1.1	1,200	0.39	0.004	0.02	0.004	0.02	<0.0058	<0.0025	<0.0055	<0.0029
100-41-4	Ethylbenzene	7,800	400	20,000	58	13	19	13	19	<0.014	<0.0064	<0.014	<0.0073
591-78-6	2-Hexanone									<0.038	<0.025	<0.055	<0.029
108-10-1	4-Methyl-2-pentanone									<0.038	<0.025	<0.055	<0.029
75-09-2	Methylene chloride	85	13	12,000	34	0.02	0.2	0.02	0.2	<0.029	<0.013	<0.028	<0.015
1634-04-4	Methyl tert-butyl ether	780	8,800	2,000	140	0.32	0.32	0.32	0.32	<0.014	<0.0064	<0.014	<0.0073
100-42-5	Styrene	16,000	1,500	41,000	430	4	18	4	18	<0.014	<0.0064	<0.014	<0.0073
79-34-5	1,1,2,2-Tetrachloroethane									<0.014	<0.0064	<0.014	<0.0073
127-18-4	Tetrachloroethene	12	11	2,400	28	0.06	0.3	0.06	0.3	<0.014	<0.0064	<0.014	<0.0073
108-88-3	Toluene	16,000	650	410,000	42	12	29	12	29	<0.014	<0.0064	<0.014	<0.0073
71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	2	9.6	<0.014	<0.0064	<0.014	<0.0073
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	0.02	0.3	0.02	0.3	<0.014	<0.0064	<0.014	<0.0073
79-01-6	Trichloroethene	58	5	1,200	12	0.06	0.3	0.06	0.3	<0.014	<0.0064	<0.014	<0.0073
75-01-4	Vinyl chloride	0.46	0.28	170	1.1	0.01	0.07	0.01	0.07	<0.014	<0.0064	<0.014	<0.0073
1330-20-7	Xylenes, Total	16,000	320	41,000	5.6	150	150	150	150	<0.043	<0.019	<0.041	<0.022

All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



**Client:** Environmental Group Services, Ltd.  
**Project:** Franklin (EB-2)  
**Laboratory:** STAT ANALYSIS

Laboratory ID :	19041193-001	19041193-002	19041193-003
Client Sample ID :	109	110	111
Date Collected :	04/30/2019 08:00	04/30/2019 08:30	04/30/2019 09:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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**Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B**

**Client:** Environmental Group Services, Ltd.  
**Project:** Franklin (EB-2)  
**Laboratory:** STAT ANALYSIS

19041193-006  
114  
04/30/2019 10:30

All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
**Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.**  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PNA)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-2)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-007 19041193-008  
 Client Sample ID : 115 116  
 Date Collected : 04/30/2019 11:00 04/30/2019 11:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
83-32-9	Acenaphthene	4,700	---	120,000	---	570	2,900
208-96-8	Acenaphthylene						
120-12-7	Anthracene	23,000	---	610,000	---	12,000	59,000
56-55-3	Benzo(a)anthracene	0.9	---	170	---	2	8
50-32-8	Benzo(a)pyrene	0.09	---	17	---	8	82
205-99-2	Benzo(b)fluoranthene	0.9	---	170	---	5	25
191-24-2	Benzo(g,h,i)perylene						
207-08-9	Benzo(k)fluoranthene	9	---	1,700	---	49	250
218-01-9	Chrysene	88	---	17,000	---	160	800
53-70-3	Dibenz(a,h)anthracene	0.09	---	17	---	2	7.6
206-44-0	Fluoranthene	3,100	---	82,000	---	4,300	21,000
86-73-7	Fluorene	3,100	---	82,000	---	560	2,800
193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	170	---	14	69
91-20-3	Naphthalene	1,600	170	4,100	1.8	12	18
85-01-8	Phenanthrene						
129-00-0	Pyrene	2,300	---	61,000	---	4,200	21,000

All units are mg/kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

**Bolded/Shaded** values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-001

Client Sample ID : 109

Date Collected : 04/30/2019 08:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.41
62-53-3	Aniline							< 0.42
92-87-5	Benzidine							< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.084
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.84

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-002

Client Sample ID : 110

Date Collected : 04/30/2019 08:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.20
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.20
541-73-1	1,3-Dichlorobenzene							< 0.20
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.20
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.20
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.20
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.20
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.20
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.20
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040
91-58-7	2-Chloronaphthalene							< 0.20
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.20
91-57-6	2-Methylnaphthalene							< 0.20
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.20
88-74-4	2-Nitroaniline							< 0.20
88-75-5	2-Nitrophenol							< 0.20
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.20
99-09-2	3-Nitroaniline							< 0.20
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.20
59-50-7	4-Chloro-3-methylphenol							< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.20
7005-72-3	4-Chlorophenyl phenyl ether							< 0.20
106-44-5	4-Methylphenol							< 0.20
100-01-6	4-Nitroaniline							< 0.20
100-02-7	4-Nitrophenol							< 0.40
62-53-3	Aniline							< 0.40
92-87-5	Benzidine							< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.20
111-91-1	Bis(2-chloroethoxy)methane							< 0.20
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.20
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.20
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.20
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.20
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.20
132-64-9	Dibenzofuran							< 0.20
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.20
131-11-3	Dimethyl phthalate							< 0.20
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.20
87-68-3	Hexachlorobutadiene							< 0.20
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.20
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.20
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.20
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.20
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.20
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.080
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.20
110-86-1	Pyridine							< 0.80

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-003

Client Sample ID : 111

Date Collected : 04/30/2019 09:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.41
62-53-3	Aniline							< 0.41
92-87-5	Benzidine							< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.082
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.82

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-004

Client Sample ID : 112

Date Collected : 04/30/2019 09:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.041
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.041
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.41
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.41
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.41
62-53-3	Aniline							< 0.42
92-87-5	Benzidine							< 0.41
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.041
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.041
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.084
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.84

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-005  
 Client Sample ID : 113  
 Date Collected : 04/30/2019 10:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.40
62-53-3	Aniline							< 0.40
92-87-5	Benzidine							< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.081
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.81

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-006

Client Sample ID : 114

Date Collected : 04/30/2019 10:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.21
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.21
541-73-1	1,3-Dichlorobenzene							< 0.21
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.21
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.21
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.21
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.21
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.21
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.21
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 1.0
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.040
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.040
91-58-7	2-Chloronaphthalene							< 0.21
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.21
91-57-6	2-Methylnaphthalene							< 0.21
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.21
88-74-4	2-Nitroaniline							< 0.21
88-75-5	2-Nitrophenol							< 0.21
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.21
99-09-2	3-Nitroaniline							< 0.21
534-52-1	4,6-Dinitro-2-methylphenol							< 0.40
101-55-3	4-Bromophenyl phenyl ether							< 0.21
59-50-7	4-Chloro-3-methylphenol							< 0.40
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.21
7005-72-3	4-Chlorophenyl phenyl ether							< 0.21
106-44-5	4-Methylphenol							< 0.21
100-01-6	4-Nitroaniline							< 0.21
100-02-7	4-Nitrophenol							< 0.40
62-53-3	Aniline							< 0.40
92-87-5	Benzidine							< 0.40
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 1.0
100-51-6	Benzyl alcohol							< 0.21
111-91-1	Bis(2-chloroethoxy)methane							< 0.21
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.21
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 1.0
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.21
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.21
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.21
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.21
132-64-9	Dibenzofuran							< 0.21
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.21
131-11-3	Dimethyl phthalate							< 0.21
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.21
87-68-3	Hexachlorobutadiene							< 0.21
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.21
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.21
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.21
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.040
62-75-9	N-Nitrosodimethylamine							< 0.21
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.21
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.040
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.081
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.21
110-86-1	Pyridine							< 0.81

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-007

Client Sample ID : 115

Date Collected : 04/30/2019 11:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.20
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.20
541-73-1	1,3-Dichlorobenzene							< 0.20
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.20
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.20
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.20
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.20
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.20
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.20
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 0.97
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.039
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.039
91-58-7	2-Chloronaphthalene							< 0.20
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.20
91-57-6	2-Methylnaphthalene							< 0.20
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.20
88-74-4	2-Nitroaniline							< 0.20
88-75-5	2-Nitrophenol							< 0.20
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.20
99-09-2	3-Nitroaniline							< 0.20
534-52-1	4,6-Dinitro-2-methylphenol							< 0.39
101-55-3	4-Bromophenyl phenyl ether							< 0.20
59-50-7	4-Chloro-3-methylphenol							< 0.39
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.20
7005-72-3	4-Chlorophenyl phenyl ether							< 0.20
106-44-5	4-Methylphenol							< 0.20
100-01-6	4-Nitroaniline							< 0.20
100-02-7	4-Nitrophenol							< 0.39
62-53-3	Aniline							< 0.39
92-87-5	Benzidine							< 0.39
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 0.97
100-51-6	Benzyl alcohol							< 0.20
111-91-1	Bis(2-chloroethoxy)methane							< 0.20
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.20
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 0.97
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.20
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.20
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.20
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.20
132-64-9	Dibenzofuran							< 0.20
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.20
131-11-3	Dimethyl phthalate							< 0.20
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.20
87-68-3	Hexachlorobutadiene							< 0.20
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.20
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.20
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.20
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.039
62-75-9	N-Nitrosodimethylamine							< 0.20
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.20
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.039
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.078
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.20
110-86-1	Pyridine							< 0.78

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

## TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (SVOC)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-008

Client Sample ID : 116

Date Collected : 04/30/2019 11:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
120-82-1	1,2,4-Trichlorobenzene	780	3,200	2,000	920	5	53	< 0.20
95-50-1	1,2-Dichlorobenzene	7,000	560	18,000	310	17	43	< 0.20
541-73-1	1,3-Dichlorobenzene							< 0.20
106-46-7	1,4-Dichlorobenzene	---	11,000	---	340	2	11	< 0.20
108-60-1	2, 2'-oxybis(1-Chloropropane)							< 0.20
95-95-4	2,4,5-Trichlorophenol	7,800	---	200,000	---	270	1,400	< 0.20
88-06-2	2,4,6-Trichlorophenol	58	200	11,000	540	0.2	0.77	< 0.20
120-83-2	2,4-Dichlorophenol	230	---	610	---	1	1	< 0.20
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	9	9	< 0.20
51-28-5	2,4-Dinitrophenol	160	---	410	---	0.2	0.2	< 0.97
121-14-2	2,4-Dinitrotoluene	0.9	---	180	---	0.0008	0.0008	< 0.039
606-20-2	2,6-Dinitrotoluene	0.9	---	180	---	0.0007	0.0007	< 0.039
91-58-7	2-Chloronaphthalene							< 0.20
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	4	4	< 0.20
91-57-6	2-Methylnaphthalene							< 0.20
95-48-7	2-Methylphenol	3,900	---	100,000	---	15	15	< 0.20
88-74-4	2-Nitroaniline							< 0.20
88-75-5	2-Nitrophenol							< 0.20
91-94-1	3,3'-Dichlorobenzidine	1	---	280	---	0.007	0.033	< 0.20
99-09-2	3-Nitroaniline							< 0.20
534-52-1	4,6-Dinitro-2-methylphenol							< 0.39
101-55-3	4-Bromophenyl phenyl ether							< 0.20
59-50-7	4-Chloro-3-methylphenol							< 0.39
106-47-8	4-Chloroaniline	310	---	820	---	0.7	0.7	< 0.20
7005-72-3	4-Chlorophenyl phenyl ether							< 0.20
106-44-5	4-Methylphenol							< 0.20
100-01-6	4-Nitroaniline							< 0.20
100-02-7	4-Nitrophenol							< 0.39
62-53-3	Aniline							< 0.39
92-87-5	Benzidine							< 0.39
65-85-0	Benzoic acid	310,000	---	820,000	---	400	400	< 0.97
100-51-6	Benzyl alcohol							< 0.20
111-91-1	Bis(2-chloroethoxy)methane							< 0.20
111-44-4	Bis(2-chloroethyl)ether	0.6	0.2	75	0.66	0.0004	0.0004	< 0.20
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	4,100	31,000	3,600	31,000	< 0.97
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	930	930	< 0.20
86-74-8	Carbazole	32	---	6,200	---	0.6	2.8	< 0.20
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	2,300	2,300	< 0.20
117-84-0	Di-n-octyl phthalate	1,600	10,000	4,100	10,000	10,000	10,000	< 0.20
132-64-9	Dibenzofuran							< 0.20
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	470	470	< 0.20
131-11-3	Dimethyl phthalate							< 0.20
118-74-1	Hexachlorobenzene	0.4	1	78	2.6	2	11	< 0.20
87-68-3	Hexachlorobutadiene							< 0.20
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	1.1	400	2,200	< 0.20
67-72-1	Hexachloroethane	78	---	2,000	---	0.5	2.6	< 0.20
78-59-1	Isophorone	15,600	4,600	410,000	4,600	8	8	< 0.20
621-64-7	N-Nitrosodi-n-propylamine	0.09	---	18	---	0.00005	0.00005	< 0.039
62-75-9	N-Nitrosodimethylamine							< 0.20
86-30-6	N-Nitrosodiphenylamine	130	---	25,000	---	1	5.6	< 0.20
98-95-3	Nitrobenzene	39	92	1,000	9.4	0.1	0.1	< 0.039
87-86-5	Pentachlorophenol	3	---	520	---	0.03	0.14	< 0.079
108-95-2	Phenol	23,000	---	61,000	---	100	100	< 0.20
110-86-1	Pyridine							< 0.79

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-2)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-001 19041193-002 19041193-003 19041193-004  
 Client Sample ID : 109 110 111 112  
 Date Collected : 04/30/2019 08:00 04/30/2019 08:30 04/30/2019 09:00 04/30/2019 09:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
12674-11-2	Aroclor 1016	1	---	1	---	---	---
11104-28-2	Aroclor 1221	1	---	1	---	---	---
11141-16-5	Aroclor 1232	1	---	1	---	---	---
53469-21-9	Aroclor 1242	1	---	1	---	---	---
12672-29-6	Aroclor 1248	1	---	1	---	---	---
11097-69-1	Aroclor 1254	1	---	1	---	---	---
11096-82-5	Aroclor 1260	1	---	1	---	---	---

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PCB)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-2)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-005 19041193-006 19041193-007 19041193-008  
 Client Sample ID : 113 114 115 116  
 Date Collected : 04/30/2019 10:00 04/30/2019 10:30 04/30/2019 11:00 04/30/2019 11:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
12674-11-2	Aroclor 1016	1	---	1	---	---	---
11104-28-2	Aroclor 1221	1	---	1	---	---	---
11141-16-5	Aroclor 1232	1	---	1	---	---	---
53469-21-9	Aroclor 1242	1	---	1	---	---	---
12672-29-6	Aroclor 1248	1	---	1	---	---	---
11097-69-1	Aroclor 1254	1	---	1	---	---	---
11096-82-5	Aroclor 1260	1	---	1	---	---	---

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-001 19041193-002 19041193-003 19041193-004  
Client Sample ID : 109 110 111 112  
Date Collected : 04/30/2019 08:00 04/30/2019 08:30 04/30/2019 09:00 04/30/2019 09:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Exposure Route Values		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
72-54-8	4,4'-DDD	3	---	520	---	16	80	< 0.0020
72-55-9	4,4'-DDE	2	---	370	---	54	270	< 0.0020
50-29-3	4,4'-DDT	2	---	100	2,100	32	160	< 0.0020
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5	< 0.0020
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003	< 0.0020
5103-71-9	alpha-Chlordane							< 0.0020
319-85-7	beta-BHC							< 0.0020
57-74-9	Chlordane	1.8	72	100	22	10	48	< 0.0020
319-86-8	delta-BHC							< 0.0020
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02	< 0.0020
959-98-8	Endosulfan I	470	---	1,200	---	18	90	< 0.0020
33213-65-9	Endosulfan II	470	---	1,200	---	18	90	< 0.0020
1031-07-8	Endosulfan sulfate							< 0.0020
72-20-8	Endrin	23	---	61	---	1	5	< 0.0020
7421-93-4	Endrin aldehyde							< 0.0020
53494-70-5	Endrin ketone							< 0.0020
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047	< 0.0020
5566-34-7	gamma-Chlordane							< 0.0020
76-44-8	Heptachlor	0.1	0.1	28	16	23	110	< 0.0020
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3	< 0.0020
72-43-5	Methoxychlor	390	---	1,000	---	160	780	< 0.0020
8001-35-2	Toxaphene	0.6	89	110	240	31	150	< 0.041

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

**Bolded/Shaded** values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (PEST)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID: 19041193-005 113  
Client Sample ID: 114  
Date Collected: 04/30/2019 10:00 04/30/2019 10:30 04/30/2019 11:00 04/30/2019 11:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
72-54-8	4,4'-DDD	3	---	520	---	16	80
72-55-9	4,4'-DDE	2	---	370	---	54	270
50-29-3	4,4'-DDT	2	---	100	2,100	32	160
309-00-2	Aldrin	0.04	3	6.1	9.3	0.5	2.5
319-84-6	alpha-BHC	0.1	0.8	20	2.1	0.0005	0.003
5103-71-9	alpha-Chlordane						
319-85-7	beta-BHC						
57-74-9	Chlordane	1.8	72	100	22	10	48
319-86-8	delta-BHC						
60-57-1	Dieldrin	0.04	1	7.8	3.1	0.004	0.02
959-98-8	Endosulfan I	470	---	1,200	---	18	90
33213-65-9	Endosulfan II	470	---	1,200	---	18	90
1031-07-8	Endosulfan sulfate						
72-20-8	Endrin	23	---	61	---	1	5
7421-93-4	Endrin aldehyde						
53494-70-5	Endrin ketone						
58-89-9	gamma-BHC	0.5	---	96	---	0.009	0.047
5566-34-7	gamma-Chlordane						
76-44-8	Heptachlor	0.1	0.1	28	16	23	110
1024-57-3	Heptachlor epoxide	0.07	5	2.7	13	0.7	3.3
72-43-5	Methoxychlor	390	---	1,000	---	160	780
8001-35-2	Toxaphene	0.6	89	110	240	31	150

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-001 19041193-002 19041193-003  
Client Sample ID : 109 110 111  
Date Collected : 04/30/2019 08:00 04/30/2019 08:30 04/30/2019 09:00

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7429-90-5	Aluminum					11000	14000
7440-36-0	Antimony	31	---	82	---	< 2.1	< 2.3
7440-38-2	Arsenic	13.0/11.3	750	61	25,000	7.7	7.1
7440-39-3	Barium	5,500	690,000	14,000	870,000	59	110
7440-41-7	Beryllium	160	1,300	410	44,000	0.73	0.95
7440-43-9	Cadmium	78	1,800	200	59,000	< 0.53	< 0.52
7440-70-2	Calcium	---	---	---	---	69000	64000
7440-47-3	Chromium	230	270	4,100	690	23	30
7440-48-4	Cobalt	4,700	---	12,000	---	16	16
7440-50-8	Copper	2,900	---	8,200	---	35	40
57-12-5	Cyanide	1,600	---	4,100	---	< 0.32	< 0.30
7439-89-6	Iron	---	---	---	---	23000	26000
7439-92-1	Lead	400	---	700	---	17	18
7439-95-4	Magnesium	325,000	---	730,000	---	33000	27000
7439-96-5	Manganese	1,600	69,000	4,100	8,700	500	550
7439-97-6	Mercury	23	10	61	0.1	< 0.022	< 0.022
7440-02-0	Nickel	1,600	13,000	4,100	440,000	42	48
7440-09-7	Potassium	---	---	---	---	2400	3200
7782-49-2	Selenium	390	---	1,000	---	< 1.1	< 1.0
7440-22-4	Silver	390	---	1,000	---	< 1.1	< 1.0
7440-23-5	Sodium	---	---	---	---	160	160
7440-28-0	Thallium	6.3	---	160	---	< 1.1	< 1.0
7440-62-2	Vanadium	550	---	1,400	---	26	29
7440-66-6	Zinc	23,000	---	61,000	---	55	61
							64

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

**Bolded/Shaded** values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.



TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-2)  
 Laboratory: STAT ANALYSIS

Laboratory ID: 19041193-004 19041193-005 19041193-006  
 Client Sample ID: 112 113 114  
 Date Collected: 04/30/2019 09:30 04/30/2019 10:00 04/30/2019 10:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7429-90-5	Aluminum					13000	13000
7440-36-0	Antimony	31	---	82	---	<2.2	<2.1
7440-38-2	Arsenic	13.0/11.3	750	61	25,000	5.3	8.7
7440-39-3	Barium	5,500	690,000	14,000	870,000	73	90
7440-41-7	Beryllium	160	1,300	410	44,000	0.78	0.93
7440-43-9	Cadmium	78	1,800	200	59,000	<0.55	<0.51
7440-70-2	Calcium	---	---	---	---	69000	80000
7440-47-3	Chromium	230	270	4,100	690	27	31
7440-48-4	Cobalt	4,700	---	12,000	---	16	15
7440-50-8	Copper	2,900	---	8,200	---	29	28
57-12-5	Cyanide	1,600	---	4,100	---	<0.32	<0.31
7439-89-6	Iron	---	---	---	---	23000	23000
7439-92-1	Lead	400	---	700	---	14	15
7439-95-4	Magnesium	325,000	---	730,000	---	32000	30000
7439-96-5	Manganese	1,600	69,000	4,100	8,700	550	580
7439-97-6	Mercury	23	10	61	0.1	<0.022	<0.022
7440-02-0	Nickel	1,600	13,000	4,100	440,000	40	44
7440-09-7	Potassium	---	---	---	---	3100	3100
7782-49-2	Selenium	390	---	1,000	---	<1.1	<1.0
7440-22-4	Silver	390	---	1,000	---	<1.1	<1.0
7440-23-5	Sodium	---	---	---	---	160	170
7440-28-0	Thallium	6.3	---	160	---	<1.1	<1.0
7440-62-2	Vanadium	550	---	1,400	---	27	31
7440-66-6	Zinc	23,000	---	61,000	---	55	60
							61

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

**Bolded/Shaded** values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (INORG)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID: 19041193-007 19041193-008  
Client Sample ID: 115 116  
Date Collected: 04/30/2019 11:00 04/30/2019 11:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7429-90-5	Aluminum		---		---	12000	11000
7440-36-0	Antimony	31	---	82	---	< 2.1	< 2.1
7440-38-2	Arsenic	13.0/11.3	750	61	25,000	7.7	11
7440-39-3	Barium	5,500	690,000	14,000	870,000	110	93
7440-41-7	Beryllium	160	1,300	410	44,000	0.93	0.91
7440-43-9	Cadmium	78	1,800	200	59,000	< 0.53	< 0.53
7440-70-2	Calcium	---	---	---	---	87000	78000
7440-47-3	Chromium	230	270	4,100	690	29	29
7440-48-4	Cobalt	4,700	---	12,000	---	14	17
7440-50-8	Copper	2,900	---	8,200	---	36	38
57-12-5	Cyanide	1,600	---	4,100	---	< 0.30	< 0.30
7439-89-6	Iron	---	---	---	---	33000	29000
7439-92-1	Lead	400	---	700	---	17	18
7439-95-4	Magnesium	325,000	---	730,000	---	35000	29000
7439-96-5	Manganese	1,600	69,000	4,100	8,700	620	600
7439-97-6	Mercury	23	10	61	0.1	< 0.018	< 0.021
7440-02-0	Nickel	1,600	13,000	4,100	440,000	42	44
7440-09-7	Potassium	---	---	---	---	3700	3800
7782-49-2	Selenium	390	---	1,000	---	< 1.1	< 1.1
7440-22-4	Silver	390	---	1,000	---	< 1.1	< 1.1
7440-23-5	Sodium	---	---	---	---	220	230
7440-28-0	Thallium	6.3	---	160	---	< 1.1	< 1.1
7440-62-2	Vanadium	550	---	1,400	---	31	29
7440-66-6	Zinc	23,000	---	61,000	---	61	66

All units are mg/kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.

Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCLP)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-001 19041193-002 19041193-003 19041193-004  
Client Sample ID : 109 110 111 112  
Date Collected : 04/30/2019 08:00 04/30/2019 08:30 04/30/2019 09:00 04/30/2019 09:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for		Soil Component of Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7429-90-5	Aluminum						<0.10
7440-36-0	Antimony					0.006	<0.015
7440-38-2	Arsenic					0.05	<0.010
7440-39-3	Barium					2.0	0.44
7440-41-7	Beryllium					0.004	<0.0050
7440-43-9	Cadmium					0.005	<0.0050
7440-47-3	Chromium					0.1	<0.010
7440-48-4	Cobalt					1.0	0.020
7440-50-8	Copper					0.65	<0.10
7439-89-6	Iron					5.0	<0.25
7439-92-1	Lead					0.0075	<0.0050
7439-96-5	Manganese					0.15	<0.0050
7439-97-6	Mercury					0.002	<0.00020
7440-02-0	Nickel					0.1	0.053
7782-49-2	Selenium					0.05	<0.010
7440-22-4	Silver					0.05	<0.010
7440-28-0	Thallium					0.002	<0.0050
7440-62-2	Vanadium					0.049	<0.010
7440-66-6	Zinc					5.0	<0.050

All units are mg/L unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

# TACO Tier I Soil Remediation Objectives - Supplemental Residential Report (TCCLP)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID: 19041193-005 19041193-006 19041193-007 19041193-008  
Client Sample ID: 113 114 115 116  
Date Collected: 04/30/2019 10:00 04/30/2019 10:30 04/30/2019 11:00 04/30/2019 11:30

CAS No.	Analyte	Residential Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
7429-90-5	Aluminum					0.006	0.024
7440-36-0	Antimony					0.05	0.2
7440-38-2	Arsenic					2.0	2.0
7440-39-3	Barium					0.004	0.5
7440-41-7	Beryllium					0.005	0.05
7440-43-9	Cadmium					0.1	1.0
7440-47-3	Chromium					1.0	1.0
7440-48-4	Cobalt					0.65	0.65
7440-50-8	Copper					5.0	5.0
7439-89-6	Iron					0.0075	0.1
7439-92-1	Lead					0.15	10.0
7439-96-5	Manganese					0.002	0.01
7439-97-6	Mercury					0.1	2.0
7440-02-0	Nickel					0.05	0.05
7782-49-2	Selenium					0.05	—
7440-22-4	Silver					0.002	0.02
7440-28-0	Thallium					0.049	0.1
7440-62-2	Vanadium					5.0	10
7440-66-6	Zinc						

All units are mg/L unless otherwise noted.  
Based on 35 IAC Part 742, Appendix B Table A.  
Bolded/Shaded values have detected results exceeding the lowest Tier I remediation objective.  
Construction Worker Objectives from 35 IAC Part 742, Appendix B Table B.

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-2)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-007  
 Client Sample ID : 115  
 Date Collected : 04/30/2019 11:00  
 pH = 7.7

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values	
	Ingestion	Inhalation	Class I	Class II
	pH Range 7.25 to 7.74			
Aluminum				12000
Antimony	31	---	5	<2.1
Arsenic	13.0/11.3	750	30	120
Barium	5,500	690,000	1,800	1,800
Beryllium	160	1,300	1,000	130,000
Cadmium	78	1,800	59	590
Calcium	---	---		<0.53
Chromium	230	270	32	87000
Cobalt	4,700	---	No Data	29
Copper	2,900	---	See TCLP/SPLP	See TCLP/SPLP
Cyanide	1,600	---	330,000	330,000
Iron	---	---	40	120
Lead	400	---	See TCLP/SPLP	See TCLP/SPLP
Magnesium	325,000	---	107	33000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	See TCLP/SPLP
Mercury	23	10 / 0.1*	6.4	32
Nickel	1,600	13,000	700	<0.018
Potassium	---	---	14,000	42
Selenium	390	---		3700
Silver	390	---	3.3	<1.1
Sodium	---	---	39	<1.1
Thallium	6.3	---		220
Vanadium	550	---	3.4	<1.1
Zinc	23,000	---	980	31
			16,000	See TCLP/SPLP
			32,000	61

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

**Bolded/Shaded** values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

**Client:** Environmental Group Services, Ltd.  
**Project:** Franklin (EB-2)  
**Laboratory:** STAT ANALYSIS

Laboratory ID :	19041193-001	19041193-002	19041193-003	19041193-004	19041193-005
Client Sample ID :	109	110	111	112	113
Date Collected :	04/30/2019 08:00	04/30/2019 08:30	04/30/2019 09:00	04/30/2019 09:30	04/30/2019 10:00
	pH = 8	pH = 8.08	pH = 7.93	pH = 8	pH = 8

Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values						
Ingestion	Inhalation	Class I		Class II				
pH Range 7.75 to 8.24								
Aluminum				11000	13000	14000	13000	13000
Antimony	31	---	5	<2.1	<2.1	<2.3	<2.2	<2.1
Arsenic	13.0/11.3	750	31	7.7	7.1	9.0	5.3	8.7
Barium	5,500	690,000	2,100	59	110	94	73	90
Beryllium	160	1,300	8,000	0.73	0.95	0.99	0.78	0.93
Cadmium	78	1,800	430	<0.53	<0.52	<0.57	<0.55	<0.51
Calcium	---	---		69000	64000	83000	69000	80000
Chromium	230	270	28	23	16	19	27	15
Cobalt	4,700	---	See TCLP/SPLP	See TCLP/SPLP	330,000			
Copper	2,900	---	330,000	35	40	27	29	28
Cyanide	1,600	---	40	<0.32	<0.30	<0.31	<0.32	<0.31
Iron	---	---	See TCLP/SPLP	23000	26000	23000	23000	23000
Lead	400	---	107	17	18	16	14	15
Magnesium	325,000	---		33000	27000	31000	32000	30000
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	500	550	600	550	580
Mercury	23	10 / 0.1*	8.0	<0.022	<0.022	<0.022	<0.022	<0.022
Nickel	1,600	13,000	3,800	42	48	51	40	44
Potassium	---	---		2400	3200	3600	3100	3100
Selenium	390	---	2.4	<1.1	<1.0	<1.1	<1.1	<1.0
Silver	390	---	110	<1.1	<1.0	<1.1	<1.1	<1.0
Sodium	---	---		160	160	170	160	170
Thallium	6.3	---	3.8	<1.1	<1.0	<1.1	<1.1	<1.0
Vanadium	550	---	980	26	29	33	27	31
Zinc	23,000	---	53,000	55	61	64	55	60

The actual laboratory determined pH values are listed and used for reference purposes.

**NDA - No Data Available for this pH range.**

**All units are mg/Kg unless otherwise noted.**

Based on 35 IAC Part 742. Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742. Appendix B Tables C & D.

**Bolded/Shaded values exceed the lowest pH specific remediation objective.**

**Chromium Class I / II objectives based on hexavalent chromium.**

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

Client: Environmental Group Services, Ltd.  
 Project: Franklin (EB-2)  
 Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-006 19041193-008  
 Client Sample ID : 114 116  
 Date Collected : 04/30/2019 10:30 04/30/2019 11:30  
 pH = 8.03 pH = 7.86

INORG Analyte	Residential Route Specific Values for Soil		pH Specific Soil Component of Groundwater Ingestion Route Values	
	Ingestion	Inhalation	Class I	Class II
	pH Range 7.75 to 8.24			
Aluminum				13000
Antimony	31	---	5	<2.0
Arsenic	13.0/11.3	750	31	11
Barium	5,500	690,000	2,100	89
Beryllium	160	1,300	8,000	2,100
Cadmium	78	1,800	430	1,000,000
Calcium	---	---		4,300
Chromium	230	270	28	77000
Cobalt	4,700	---	See TCLP/SPLP	No Data
Copper	2,900	---	330,000	See TCLP/SPLP
Cyanide	1,600	---	40	31
Iron	---	---	See TCLP/SPLP	<0.30
Lead	400	---	107	23000
Magnesium	325,000	---		16
Manganese	1,600	69,000 / 8,700*	See TCLP/SPLP	31000
Mercury	23	10 / 0.1*	8.0	380
Nickel	1,600	13,000	3,800	<0.020
Potassium	---	---		47
Selenium	390	---	2.4	3500
Silver	390	---	110	<1.0
Sodium	---	---		<1.1
Thallium	6.3	---	3.8	170
Vanadium	550	---	980	230
Zinc	23,000	---	53,000	<1.1
			See TCLP/SPLP	31
			110,000	29
			61	66

The actual laboratory determined pH values are listed and used for reference purposes.

NDA - No Data Available for this pH range.

All units are mg/Kg unless otherwise noted.

Based on 35 IAC Part 742, Appendix B Table A.

Class I / II objectives based on 35 IAC Part 742, Appendix B Tables C & D.

**Bolded/Shaded** values exceed the lowest pH specific remediation objective.

Chromium Class I / II objectives based on hexavalent chromium.

\* - Construction Worker Inhalation Objective from Appendix B, Table B.

TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-001 19041193-002 19041193-003 19041193-004 19041193-005 19041193-006  
Client Sample ID : 109 110 111 112 113 114  
Date Collected : 04/30/2019 08:00 04/30/2019 08:30 04/30/2019 09:00 04/30/2019 09:30 04/30/2019 10:00 04/30/2019 10:30

Analyte	Concentration of Chemicals in					
	Background Soils					
	City of Chicago		Within MSA	Outside MSA		
PNA						
Acenaphthene	0.09	0.13	< 0.041	< 0.040	< 0.041	< 0.040
Acenaphthylene	0.03	0.07	< 0.041	< 0.040	< 0.041	< 0.040
Anthracene	0.25	0.40	< 0.041	< 0.040	< 0.041	< 0.040
Benz(a)anthracene	1.1	1.8	< 0.041	< 0.040	< 0.041	< 0.040
Benzo(a)pyrene	1.3	2.1	< 0.041	< 0.040	< 0.041	< 0.040
Benzo(b)fluoranthene	1.5	2.1	< 0.041	< 0.040	< 0.041	< 0.040
Benzo(g,h,i)perylene	0.68	1.7	< 0.041	< 0.040	< 0.041	< 0.040
Benzo(k)fluoranthene	0.99	1.7	< 0.041	< 0.040	< 0.041	< 0.040
Chrysene	1.2	2.7	< 0.041	< 0.040	< 0.041	< 0.040
Dibenz(a,h)anthracene	0.20	0.42	< 0.041	< 0.040	< 0.041	< 0.040
Fluoranthene	2.7	4.1	< 0.041	< 0.040	< 0.041	< 0.040
Fluorene	0.10	0.18	< 0.041	< 0.040	< 0.041	< 0.040
Indeno(1,2,3-cd)pyrene	0.86	1.6	< 0.041	< 0.040	< 0.041	< 0.040
Naphthalene	0.04	0.20	< 0.041	< 0.040	< 0.041	< 0.040
Phenanthrene	1.3	2.5	< 0.041	< 0.040	< 0.041	< 0.040
Pyrene	1.9	3.0	< 0.041	< 0.040	< 0.041	< 0.040
Aluminum		9,500	11,000	13,000	14,000	13,000
Antimony		4.0	< 2.1	< 2.1	< 2.3	< 2.1
Arsenic		13.0	7.7	7.1	9.0	8.7
Barium		110	59	110	94	90
Beryllium		0.59	0.73	0.95	0.99	0.93
Cadmium		0.6	< 0.53	< 0.52	< 0.57	< 0.51
Calcium		9,300	69,000	64,000	83,000	80,000
Chromium		16.2	23	30	34	27
Cobalt		8.9	16	16	19	16
Copper		19.6	35	40	27	28
Cyanide		0.51	< 0.32	< 0.30	< 0.31	< 0.31
Iron		15,900	23,000	26,000	23,000	23,000
Lead		36.0	17	18	16	15
Magnesium		4,820	33,000	27,000	31,000	30,000
Manganese		636	500	550	600	580
Mercury		0.06	< 0.022	< 0.022	< 0.022	< 0.022
Nickel		18.0	42	48	51	44
Potassium		1,268	24,000	32,000	36,000	31,000
Selenium		0.48	< 1.1	< 1.0	< 1.1	< 1.0
Silver		0.55	< 1.1	< 1.0	< 1.1	< 1.0
Sodium		130	160	160	170	170
Thallium		0.32	< 1.1	< 1.0	< 1.1	< 1.0
Vanadium		25.2	26	29	33	31
Zinc		95.0	55	61	64	60
						61
INORG						

MSA - Metropolitan Statistical Area  
All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix A Table G and Table H.  
Bolded/Shaded values exceed the within MSA background level.



TACO Tier I Soil Remediation Objectives - Supplemental Report (Background)

Client: Environmental Group Services, Ltd.  
Project: Franklin (EB-2)  
Laboratory: STAT ANALYSIS

Laboratory ID: 19041193-007 19041193-008  
Client Sample ID: 115 116  
Date Collected: 04/30/2019 11:00 04/30/2019 11:30

	Analyte	Concentration of Chemicals in Background Soils		
		City of Chicago	Within MSA	Outside MSA
PNA	Acenaphthene	0.09	0.13	0.04
	Acenaphthylene	0.03	0.07	0.04
	Anthracene	0.25	0.40	0.14
	Benz(a)anthracene	1.1	1.8	0.72
	Benzo(a)pyrene	1.3	2.1	0.98
	Benzo(b)fluoranthene	1.5	2.1	0.70
	Benzo(g,h,i)perylene	0.68	1.7	0.84
	Benzo(k)fluoranthene	0.99	1.7	0.63
	Chrysene	1.2	2.7	1.1
	Dibenz(a,h)anthracene	0.20	0.42	0.15
	Fluoranthene	2.7	4.1	1.8
	Fluorene	0.10	0.18	0.04
	Indeno(1,2,3-cd)pyrene	0.86	1.6	0.51
	Naphthalene	0.04	0.20	0.17
	Phenanthrene	1.3	2.5	0.99
	Pyrene	1.9	3.0	1.2
INORG	Aluminum		9,500	9,200
	Antimony		4.0	3.3
	Arsenic		13.0	11.3
	Barium		110	122
	Beryllium		0.59	0.56
	Cadmium		0.6	0.50
	Calcium		9,300	5,525
	Chromium		16.2	13.0
	Cobalt		8.9	8.9
	Copper		19.6	12.0
	Cyanide		0.51	0.50
	Iron		15,900	15,000
	Lead		36.0	20.9
	Magnesium		4,820	2,700
	Manganese		636	630
	Mercury		0.06	0.05
	Nickel		18.0	13.0
	Potassium		1,268	1,100
	Selenium		0.48	0.37
	Silver		0.55	0.50
	Sodium		130	130.0
	Thallium		0.32	0.42
	Vanadium		25.2	25.0
	Zinc		95.0	60.2

MSA - Metropolitan Statistical Area  
All units are mg/Kg unless otherwise noted.  
Based on 35 IAC Part 742, Appendix A Table G and Table H.  
Bolted/Shaded values exceed the within MSA background level.

**TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)**

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-001      19041193-002  
 Client Sample ID : 109      110  
 Date Collected : 04/30/2019 08:00      04/30/2019 08:30

		<b>Soil Saturation Limits for Chemicals With Melting Point &lt; 30°C</b>			
		<b>Outdoor Inhalation Exposure Route Value</b>		<b>Soil Component of Groundwater Ingestion Exposure Route</b>	
CAS No.	Analyte	<b>C<sub>sat</sub> (mg/Kg)</b>		<b>C<sub>sat</sub> (mg/Kg)</b>	
VOC	67-64-1 Acetone	100,000		200,000	< 0.12
	71-43-2 Benzene	800		580	< 0.0082
	75-27-4 Bromodichloromethane	2,800		2,000	< 0.0082
	75-25-2 Bromoform	2,000		1,200	< 0.0082
	74-83-9 Bromomethane	3,100		3,600	< 0.016
	78-93-3 2-Butanone	25,000		45,000	< 0.12
	75-15-0 Carbon disulfide	850		520	< 0.082
	56-23-5 Carbon tetrachloride	1,200		560	< 0.0082
	108-90-7 Chlorobenzene	620		290	< 0.0082
	67-66-3 Chloroform	3,400		2,500	< 0.0082
	124-48-1 Dibromochloromethane	1,400		890	< 0.0082
	75-34-3 1,1-Dichloroethane	1,700		1,400	< 0.0082
	107-06-2 1,2-Dichloroethane	1,900		2,100	< 0.0082
	75-35-4 1,1-Dichloroethene	1,400		910	< 0.0082
	156-59-2 cis-1,2-Dichloroethene	1,300		1,000	< 0.0082
	156-60-5 trans-1,2-Dichloroethene	3,000		2,100	< 0.0082
	78-87-5 1,2-Dichloropropane	1,200		870	< 0.0082
	10061-01-5 cis-1,3-Dichloropropene	1,000		850	< 0.0033
	10061-02-6 trans-1,3-Dichloropropene	1,000		850	< 0.0033
	100-41-4 Ethylbenzene	350		150	< 0.0082
	75-09-2 Methylene chloride	2,500		3,000	< 0.016
	1634-04-4 Methyl tert-butyl ether	8,400		11,000	< 0.0082
	100-42-5 Styrene	630		260	< 0.0082
	127-18-4 Tetrachloroethene	800		310	< 0.0082
	108-88-3 Toluene	580		290	< 0.0082
	71-55-6 1,1,1-Trichloroethane	1,300		670	< 0.0082
	79-00-5 1,1,2-Trichloroethane	1,800		1,300	< 0.0082
	79-01-6 Trichloroethene	1,200		650	< 0.0082
	75-01-4 Vinyl chloride	2,600		2,900	< 0.0082
SVOC	1330-20-7 Xylenes, Total	280		110	< 0.025
	120-82-1 1,2,4-Trichlorobenzene	340		120	< 0.21
	95-50-1 1,2-Dichlorobenzene	560		210	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000		4,700	< 0.21
	95-57-8 2-Chlorophenol	10,000		7,100	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000		3,900	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200		68	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000		340	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600		880	< 0.21
	117-84-0 Di-n-octyl phthalate	16		5.2	< 0.21
	84-66-2 Diethyl phthalate	2,200		920	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130		44	< 0.21
	78-59-1 Isophorone	3,000		3,000	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900		2,300	< 0.041
	98-95-3 Nitrobenzene	710		590	< 0.041
INORG	7439-97-6 Mercury	3.1		N/A	< 0.022

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-003 19041193-004  
 Client Sample ID : 111 112  
 Date Collected : 04/30/2019 09:00 04/30/2019 09:30

		Soil Saturation Limits for Chemicals With Melting Point < 30°C			
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route		
CAS No.	Analyte	C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)		
VOC	67-64-1 Acetone	100,000	200,000	< 0.092	< 0.10
	71-43-2 Benzene	800	580	< 0.0061	< 0.0066
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.0061	< 0.0066
	75-25-2 Bromoform	2,000	1,200	< 0.0061	< 0.0066
	74-83-9 Bromomethane	3,100	3,600	< 0.012	< 0.013
	78-93-3 2-Butanone	25,000	45,000	< 0.092	< 0.10
	75-15-0 Carbon disulfide	850	520	< 0.061	< 0.066
	56-23-5 Carbon tetrachloride	1,200	560	< 0.0061	< 0.0066
	108-90-7 Chlorobenzene	620	290	< 0.0061	< 0.0066
	67-66-3 Chloroform	3,400	2,500	< 0.0061	< 0.0066
	124-48-1 Dibromochloromethane	1,400	890	< 0.0061	< 0.0066
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.0061	< 0.0066
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.0061	< 0.0066
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.0061	< 0.0066
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.0061	< 0.0066
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.0061	< 0.0066
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.0061	< 0.0066
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0024	< 0.0027
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0024	< 0.0027
	100-41-4 Ethylbenzene	350	150	< 0.0061	< 0.0066
	75-09-2 Methylene chloride	2,500	3,000	< 0.012	< 0.013
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.0061	< 0.0066
	100-42-5 Styrene	630	260	< 0.0061	< 0.0066
	127-18-4 Tetrachloroethene	800	310	< 0.0061	< 0.0066
	108-88-3 Toluene	580	290	< 0.0061	< 0.0066
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.0061	< 0.0066
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.0061	< 0.0066
	79-01-6 Trichloroethene	1,200	650	< 0.0061	< 0.0066
	75-01-4 Vinyl chloride	2,600	2,900	< 0.0061	< 0.0066
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.018	< 0.020
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.21
INORG	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.041	< 0.041
	98-95-3 Nitrobenzene	710	590	< 0.041	< 0.041
	7439-97-6 Mercury	3.1	N/A	< 0.022	< 0.022

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-005 19041193-006  
 Client Sample ID : 113 114  
 Date Collected : 04/30/2019 10:00 04/30/2019 10:30

		Soil Saturation Limits for Chemicals With Melting Point < 30°C			
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route		
CAS No.	Analyte	C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)		
VOC	67-64-1 Acetone	100,000	200,000	< 0.22	< 0.095
	71-43-2 Benzene	800	580	< 0.014	< 0.0064
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.014	< 0.0064
	75-25-2 Bromoform	2,000	1,200	< 0.014	< 0.0064
	74-83-9 Bromomethane	3,100	3,600	< 0.029	< 0.013
	78-93-3 2-Butanone	25,000	45,000	< 0.22	< 0.095
	75-15-0 Carbon disulfide	850	520	< 0.14	< 0.064
	56-23-5 Carbon tetrachloride	1,200	560	< 0.014	< 0.0064
	108-90-7 Chlorobenzene	620	290	< 0.014	< 0.0064
	67-66-3 Chloroform	3,400	2,500	< 0.014	< 0.0064
	124-48-1 Dibromochloromethane	1,400	890	< 0.014	< 0.0064
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.014	< 0.0064
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.014	< 0.0064
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.014	< 0.0064
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.014	< 0.0064
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.014	< 0.0064
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.014	< 0.0064
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0058	< 0.0025
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0058	< 0.0025
	100-41-4 Ethylbenzene	350	150	< 0.014	< 0.0064
	75-09-2 Methylene chloride	2,500	3,000	< 0.029	< 0.013
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.014	< 0.0064
	100-42-5 Styrene	630	260	< 0.014	< 0.0064
	127-18-4 Tetrachloroethene	800	310	< 0.014	< 0.0064
	108-88-3 Toluene	580	290	< 0.014	< 0.0064
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.014	< 0.0064
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.014	< 0.0064
	79-01-6 Trichloroethene	1,200	650	< 0.014	< 0.0064
	75-01-4 Vinyl chloride	2,600	2,900	< 0.014	< 0.0064
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.043	< 0.019
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.21	< 0.21
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.21	< 0.21
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.21	< 0.21
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.21	< 0.21
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.21	< 0.21
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 1.0	< 1.0
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.21	< 0.21
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.21	< 0.21
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.21	< 0.21
	84-66-2 Diethyl phthalate	2,200	920	< 0.21	< 0.21
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.21	< 0.21
	78-59-1 Isophorone	3,000	3,000	< 0.21	< 0.21
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.040	< 0.040
	98-95-3 Nitrobenzene	710	590	< 0.040	< 0.040
INORG	7439-97-6 Mercury	3.1	N/A	< 0.022	< 0.020

## TACO Tier I Soil Remediation Objectives - Supplemental Report (Soil Saturation Limits)

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Laboratory ID : 19041193-007 19041193-008  
 Client Sample ID : 115 116  
 Date Collected : 04/30/2019 11:00 04/30/2019 11:30

		Soil Saturation Limits for Chemicals With Melting Point < 30°C			
		Outdoor Inhalation Exposure Route Value	Soil Component of Groundwater Ingestion Exposure Route		
		C <sub>sat</sub> (mg/Kg)	C <sub>sat</sub> (mg/Kg)		
VOC	CAS No. Analyte				
	67-64-1 Acetone	100,000	200,000	< 0.21	< 0.11
	71-43-2 Benzene	800	580	< 0.014	< 0.0073
	75-27-4 Bromodichloromethane	2,800	2,000	< 0.014	< 0.0073
	75-25-2 Bromoform	2,000	1,200	< 0.014	< 0.0073
	74-83-9 Bromomethane	3,100	3,600	< 0.028	< 0.015
	78-93-3 2-Butanone	25,000	45,000	< 0.21	< 0.11
	75-15-0 Carbon disulfide	850	520	< 0.14	< 0.073
	56-23-5 Carbon tetrachloride	1,200	560	< 0.014	< 0.0073
	108-90-7 Chlorobenzene	620	290	< 0.014	< 0.0073
	67-66-3 Chloroform	3,400	2,500	< 0.014	< 0.0073
	124-48-1 Dibromochloromethane	1,400	890	< 0.014	< 0.0073
	75-34-3 1,1-Dichloroethane	1,700	1,400	< 0.014	< 0.0073
	107-06-2 1,2-Dichloroethane	1,900	2,100	< 0.014	< 0.0073
	75-35-4 1,1-Dichloroethene	1,400	910	< 0.014	< 0.0073
	156-59-2 cis-1,2-Dichloroethene	1,300	1,000	< 0.014	< 0.0073
	156-60-5 trans-1,2-Dichloroethene	3,000	2,100	< 0.014	< 0.0073
	78-87-5 1,2-Dichloropropane	1,200	870	< 0.014	< 0.0073
	10061-01-5 cis-1,3-Dichloropropene	1,000	850	< 0.0055	< 0.0029
	10061-02-6 trans-1,3-Dichloropropene	1,000	850	< 0.0055	< 0.0029
	100-41-4 Ethylbenzene	350	150	< 0.014	< 0.0073
	75-09-2 Methylene chloride	2,500	3,000	< 0.028	< 0.015
	1634-04-4 Methyl tert-butyl ether	8,400	11,000	< 0.014	< 0.0073
	100-42-5 Styrene	630	260	< 0.014	< 0.0073
	127-18-4 Tetrachloroethene	800	310	< 0.014	< 0.0073
	108-88-3 Toluene	580	290	< 0.014	< 0.0073
	71-55-6 1,1,1-Trichloroethane	1,300	670	< 0.014	< 0.0073
	79-00-5 1,1,2-Trichloroethane	1,800	1,300	< 0.014	< 0.0073
	79-01-6 Trichloroethene	1,200	650	< 0.014	< 0.0073
	75-01-4 Vinyl chloride	2,600	2,900	< 0.014	< 0.0073
SVOC	1330-20-7 Xylenes, Total	280	110	< 0.041	< 0.022
	120-82-1 1,2,4-Trichlorobenzene	340	120	< 0.20	< 0.20
	95-50-1 1,2-Dichlorobenzene	560	210	< 0.20	< 0.20
	105-67-9 2,4-Dimethylphenol	10,000	4,700	< 0.20	< 0.20
	95-57-8 2-Chlorophenol	10,000	7,100	< 0.20	< 0.20
	111-44-4 Bis(2-chloroethyl)ether	3,000	3,900	< 0.20	< 0.20
	117-81-7 Bis(2-ethylhexyl)phthalate	200	68	< 0.97	< 0.97
	85-68-7 Butyl benzyl phthalate	1,000	340	< 0.20	< 0.20
	84-74-2 Di-n-butyl phthalate	2,600	880	< 0.20	< 0.20
	117-84-0 Di-n-octyl phthalate	16	5.2	< 0.20	< 0.20
	84-66-2 Diethyl phthalate	2,200	920	< 0.20	< 0.20
	77-47-4 Hexachlorocyclopentadiene	130	44	< 0.20	< 0.20
	78-59-1 Isophorone	3,000	3,000	< 0.20	< 0.20
	621-64-7 N-Nitrosodi-n-propylamine	1,900	2,300	< 0.039	< 0.039
	98-95-3 Nitrobenzene	710	590	< 0.039	< 0.039
INORG	7439-97-6 Mercury	3.1	N/A	< 0.018	< 0.021

**TACO Tier I Soil Remediation Objectives - Residential Exceedance Report**

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Aluminum	109	11000	9,500	Within MSA Background Outside MSA Background
		110	13000	9,200	
		111	14000		
		112	13000		
		113	13000		
		114	13000		
		115	12000		
		116	11000		
INORG	Beryllium	109	0.73	0.59	Within MSA Background Outside MSA Background
		110	0.95	0.56	
		111	0.99		
		112	0.78		
		113	0.93		
		114	0.94		
		115	0.93		
		116	0.91		
INORG	Calcium	109	69000	9,300	Within MSA Background Outside MSA Background
		110	64000	5,525	
		111	83000		
		112	69000		
		113	80000		
		114	77000		
		115	87000		
		116	78000		
INORG	Chromium	109	23	28	pH Specific SCGIR Class I Within MSA Background Outside MSA Background
		110	30	16.2	
		111	34	13.0	
		112	27		
		113	31		
		114	31		
		115	29		
		116	29		
INORG	Cobalt	109	16	8.9	Within MSA Background Outside MSA Background
		110	16	8.9	
		111	19		
		112	16		
		113	15		
		114	19		
		115	14		
		116	17		
INORG	Copper	109	35	19.6	Within MSA Background Outside MSA Background
		110	40	12.0	
		111	27		
		112	29		
		113	28		
		114	31		
		115	36		
		116	38		

**TACO Tier I Soil Remediation Objectives - Residential Exceedance Report**

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Iron	109	23000	15,900	Within MSA Background Outside MSA Background
		110	26000	15,000	
		111	23000		
		112	23000		
		113	23000		
		114	23000		
		115	33000		
		116	29000		
INORG	Magnesium	109	33000	4,820	Within MSA Background Outside MSA Background
		110	27000	2,700	
		111	31000		
		112	32000		
		113	30000		
		114	31000		
		115	35000		
		116	29000		
INORG	Nickel	109	42	18.0	Within MSA Background Outside MSA Background
		110	48	13.0	
		111	51		
		112	40		
		113	44		
		114	47		
		115	42		
		116	44		
INORG	Potassium	109	2400	1,268	Within MSA Background Outside MSA Background
		110	3200	1,100	
		111	3600		
		112	3100		
		113	3100		
		114	3500		
		115	3700		
		116	3800		
INORG	Sodium	109	160	130	Within MSA Background Outside MSA Background
		110	160	130.0	
		111	170		
		112	160		
		113	170		
		114	170		
		115	220		
		116	230		
INORG	Vanadium	109	26	25.2	Within MSA Background Outside MSA Background
		110	29	25.0	
		111	33		
		112	27		
		113	31		
		114	31		
		115	31		
		116	29		
INORG	Zinc	110	61	60.2	Outside MSA Background
		111	64		
		114	61		
		115	61		
		116	66		
TCLP	Manganese	109	3.6 *	0.15	SCGIR Class I
		110	3.0 *		
		111	3.7 *		
		112	4.1 *		
		113	3.6 *		

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
		114	3.8 *		
		115	3.5 *		
		116	3.6 *		



# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
TCLP	Manganese	109	3.6 *	0.15	SCGIR Class I
TCLP	Manganese	110	3.0 *	0.15	SCGIR Class I
TCLP	Manganese	111	3.7 *	0.15	SCGIR Class I
TCLP	Manganese	112	4.1 *	0.15	SCGIR Class I
TCLP	Manganese	113	3.6 *	0.15	SCGIR Class I
TCLP	Manganese	114	3.8 *	0.15	SCGIR Class I
TCLP	Manganese	115	3.5 *	0.15	SCGIR Class I
TCLP	Manganese	116	3.6 *	0.15	SCGIR Class I
INORG	Chromium	110	30	28	pH Specific SCGIR Class I
INORG	Chromium	111	34	28	pH Specific SCGIR Class I
INORG	Chromium	113	31	28	pH Specific SCGIR Class I
INORG	Chromium	114	31	28	pH Specific SCGIR Class I
INORG	Chromium	116	29	28	pH Specific SCGIR Class I
INORG	Aluminum	109	11000	9,500	Within MSA Background
INORG	Beryllium	109	0.73	0.59	Within MSA Background
INORG	Calcium	109	69000	9,300	Within MSA Background
INORG	Chromium	109	23	16.2	Within MSA Background
INORG	Cobalt	109	16	8.9	Within MSA Background
INORG	Copper	109	35	19.6	Within MSA Background
INORG	Iron	109	23000	15,900	Within MSA Background
INORG	Magnesium	109	33000	4,820	Within MSA Background
INORG	Nickel	109	42	18.0	Within MSA Background
INORG	Potassium	109	2400	1,268	Within MSA Background
INORG	Sodium	109	160	130	Within MSA Background
INORG	Vanadium	109	26	25.2	Within MSA Background
INORG	Aluminum	110	13000	9,500	Within MSA Background
INORG	Beryllium	110	0.95	0.59	Within MSA Background
INORG	Calcium	110	64000	9,300	Within MSA Background
INORG	Chromium	110	30	16.2	Within MSA Background
INORG	Cobalt	110	16	8.9	Within MSA Background
INORG	Copper	110	40	19.6	Within MSA Background
INORG	Iron	110	26000	15,900	Within MSA Background
INORG	Magnesium	110	27000	4,820	Within MSA Background
INORG	Nickel	110	48	18.0	Within MSA Background
INORG	Potassium	110	3200	1,268	Within MSA Background
INORG	Sodium	110	160	130	Within MSA Background
INORG	Vanadium	110	29	25.2	Within MSA Background
INORG	Aluminum	111	14000	9,500	Within MSA Background
INORG	Beryllium	111	0.99	0.59	Within MSA Background
INORG	Calcium	111	83000	9,300	Within MSA Background
INORG	Chromium	111	34	16.2	Within MSA Background
INORG	Cobalt	111	19	8.9	Within MSA Background
INORG	Copper	111	27	19.6	Within MSA Background
INORG	Iron	111	23000	15,900	Within MSA Background
INORG	Magnesium	111	31000	4,820	Within MSA Background
INORG	Nickel	111	51	18.0	Within MSA Background
INORG	Potassium	111	3600	1,268	Within MSA Background
INORG	Sodium	111	170	130	Within MSA Background
INORG	Vanadium	111	33	25.2	Within MSA Background
INORG	Aluminum	112	13000	9,500	Within MSA Background
INORG	Beryllium	112	0.78	0.59	Within MSA Background
INORG	Calcium	112	69000	9,300	Within MSA Background
INORG	Chromium	112	27	16.2	Within MSA Background
INORG	Cobalt	112	16	8.9	Within MSA Background
INORG	Copper	112	29	19.6	Within MSA Background
INORG	Iron	112	23000	15,900	Within MSA Background
INORG	Magnesium	112	32000	4,820	Within MSA Background
INORG	Nickel	112	40	18.0	Within MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Potassium	112	3100	1,268	Within MSA Background
INORG	Sodium	112	160	130	Within MSA Background
INORG	Vanadium	112	27	25.2	Within MSA Background
INORG	Aluminum	113	13000	9,500	Within MSA Background
INORG	Beryllium	113	0.93	0.59	Within MSA Background
INORG	Calcium	113	80000	9,300	Within MSA Background
INORG	Chromium	113	31	16.2	Within MSA Background
INORG	Cobalt	113	15	8.9	Within MSA Background
INORG	Copper	113	28	19.6	Within MSA Background
INORG	Iron	113	23000	15,900	Within MSA Background
INORG	Magnesium	113	30000	4,820	Within MSA Background
INORG	Nickel	113	44	18.0	Within MSA Background
INORG	Potassium	113	3100	1,268	Within MSA Background
INORG	Sodium	113	170	130	Within MSA Background
INORG	Vanadium	113	31	25.2	Within MSA Background
INORG	Aluminum	114	13000	9,500	Within MSA Background
INORG	Beryllium	114	0.94	0.59	Within MSA Background
INORG	Calcium	114	77000	9,300	Within MSA Background
INORG	Chromium	114	31	16.2	Within MSA Background
INORG	Cobalt	114	19	8.9	Within MSA Background
INORG	Copper	114	31	19.6	Within MSA Background
INORG	Iron	114	23000	15,900	Within MSA Background
INORG	Magnesium	114	31000	4,820	Within MSA Background
INORG	Nickel	114	47	18.0	Within MSA Background
INORG	Potassium	114	3500	1,268	Within MSA Background
INORG	Sodium	114	170	130	Within MSA Background
INORG	Vanadium	114	31	25.2	Within MSA Background
INORG	Aluminum	115	12000	9,500	Within MSA Background
INORG	Beryllium	115	0.93	0.59	Within MSA Background
INORG	Calcium	115	87000	9,300	Within MSA Background
INORG	Chromium	115	29	16.2	Within MSA Background
INORG	Cobalt	115	14	8.9	Within MSA Background
INORG	Copper	115	36	19.6	Within MSA Background
INORG	Iron	115	33000	15,900	Within MSA Background
INORG	Magnesium	115	35000	4,820	Within MSA Background
INORG	Nickel	115	42	18.0	Within MSA Background
INORG	Potassium	115	3700	1,268	Within MSA Background
INORG	Sodium	115	220	130	Within MSA Background
INORG	Vanadium	115	31	25.2	Within MSA Background
INORG	Aluminum	116	11000	9,500	Within MSA Background
INORG	Beryllium	116	0.91	0.59	Within MSA Background
INORG	Calcium	116	78000	9,300	Within MSA Background
INORG	Chromium	116	29	16.2	Within MSA Background
INORG	Cobalt	116	17	8.9	Within MSA Background
INORG	Copper	116	38	19.6	Within MSA Background
INORG	Iron	116	29000	15,900	Within MSA Background
INORG	Magnesium	116	29000	4,820	Within MSA Background
INORG	Nickel	116	44	18.0	Within MSA Background
INORG	Potassium	116	3800	1,268	Within MSA Background
INORG	Sodium	116	230	130	Within MSA Background
INORG	Vanadium	116	29	25.2	Within MSA Background
INORG	Aluminum	109	11000	9,200	Outside MSA Background
INORG	Beryllium	109	0.73	0.56	Outside MSA Background
INORG	Calcium	109	69000	5,525	Outside MSA Background
INORG	Chromium	109	23	13.0	Outside MSA Background
INORG	Cobalt	109	16	8.9	Outside MSA Background
INORG	Copper	109	35	12.0	Outside MSA Background
INORG	Iron	109	23000	15,000	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Magnesium	109	33000	2,700	Outside MSA Background
INORG	Nickel	109	42	13.0	Outside MSA Background
INORG	Potassium	109	2400	1,100	Outside MSA Background
INORG	Sodium	109	160	130.0	Outside MSA Background
INORG	Vanadium	109	26	25.0	Outside MSA Background
INORG	Aluminum	110	13000	9,200	Outside MSA Background
INORG	Beryllium	110	0.95	0.56	Outside MSA Background
INORG	Calcium	110	64000	5,525	Outside MSA Background
INORG	Chromium	110	30	13.0	Outside MSA Background
INORG	Cobalt	110	16	8.9	Outside MSA Background
INORG	Copper	110	40	12.0	Outside MSA Background
INORG	Iron	110	26000	15,000	Outside MSA Background
INORG	Magnesium	110	27000	2,700	Outside MSA Background
INORG	Nickel	110	48	13.0	Outside MSA Background
INORG	Potassium	110	3200	1,100	Outside MSA Background
INORG	Sodium	110	160	130.0	Outside MSA Background
INORG	Vanadium	110	29	25.0	Outside MSA Background
INORG	Zinc	110	61	60.2	Outside MSA Background
INORG	Aluminum	111	14000	9,200	Outside MSA Background
INORG	Beryllium	111	0.99	0.56	Outside MSA Background
INORG	Calcium	111	83000	5,525	Outside MSA Background
INORG	Chromium	111	34	13.0	Outside MSA Background
INORG	Cobalt	111	19	8.9	Outside MSA Background
INORG	Copper	111	27	12.0	Outside MSA Background
INORG	Iron	111	23000	15,000	Outside MSA Background
INORG	Magnesium	111	31000	2,700	Outside MSA Background
INORG	Nickel	111	51	13.0	Outside MSA Background
INORG	Potassium	111	3600	1,100	Outside MSA Background
INORG	Sodium	111	170	130.0	Outside MSA Background
INORG	Vanadium	111	33	25.0	Outside MSA Background
INORG	Zinc	111	64	60.2	Outside MSA Background
INORG	Aluminum	112	13000	9,200	Outside MSA Background
INORG	Beryllium	112	0.78	0.56	Outside MSA Background
INORG	Calcium	112	69000	5,525	Outside MSA Background
INORG	Chromium	112	27	13.0	Outside MSA Background
INORG	Cobalt	112	16	8.9	Outside MSA Background
INORG	Copper	112	29	12.0	Outside MSA Background
INORG	Iron	112	23000	15,000	Outside MSA Background
INORG	Magnesium	112	32000	2,700	Outside MSA Background
INORG	Nickel	112	40	13.0	Outside MSA Background
INORG	Potassium	112	3100	1,100	Outside MSA Background
INORG	Sodium	112	160	130.0	Outside MSA Background
INORG	Vanadium	112	27	25.0	Outside MSA Background
INORG	Aluminum	113	13000	9,200	Outside MSA Background
INORG	Beryllium	113	0.93	0.56	Outside MSA Background
INORG	Calcium	113	80000	5,525	Outside MSA Background
INORG	Chromium	113	31	13.0	Outside MSA Background
INORG	Cobalt	113	15	8.9	Outside MSA Background
INORG	Copper	113	28	12.0	Outside MSA Background
INORG	Iron	113	23000	15,000	Outside MSA Background
INORG	Magnesium	113	30000	2,700	Outside MSA Background
INORG	Nickel	113	44	13.0	Outside MSA Background
INORG	Potassium	113	3100	1,100	Outside MSA Background
INORG	Sodium	113	170	130.0	Outside MSA Background
INORG	Vanadium	113	31	25.0	Outside MSA Background
INORG	Aluminum	114	13000	9,200	Outside MSA Background
INORG	Beryllium	114	0.94	0.56	Outside MSA Background
INORG	Calcium	114	77000	5,525	Outside MSA Background

\* - result and RO units are mg/L

# TACO Tier I Soil Remediation Objectives - Residential Exceedance Report

Client: Environmental Group Services, Ltd.

Project: Franklin (EB-2)

Laboratory: STAT ANALYSIS

Test	Chemical	Sample Number	Concentration Detected (ppm)	TACO Tier 1 RO (mg/Kg)	Exposure Pathway
INORG	Chromium	114	31	13.0	Outside MSA Background
INORG	Cobalt	114	19	8.9	Outside MSA Background
INORG	Copper	114	31	12.0	Outside MSA Background
INORG	Iron	114	23000	15,000	Outside MSA Background
INORG	Magnesium	114	31000	2,700	Outside MSA Background
INORG	Nickel	114	47	13.0	Outside MSA Background
INORG	Potassium	114	3500	1,100	Outside MSA Background
INORG	Sodium	114	170	130.0	Outside MSA Background
INORG	Vanadium	114	31	25.0	Outside MSA Background
INORG	Zinc	114	61	60.2	Outside MSA Background
INORG	Aluminum	115	12000	9,200	Outside MSA Background
INORG	Beryllium	115	0.93	0.56	Outside MSA Background
INORG	Calcium	115	87000	5,525	Outside MSA Background
INORG	Chromium	115	29	13.0	Outside MSA Background
INORG	Cobalt	115	14	8.9	Outside MSA Background
INORG	Copper	115	36	12.0	Outside MSA Background
INORG	Iron	115	33000	15,000	Outside MSA Background
INORG	Magnesium	115	35000	2,700	Outside MSA Background
INORG	Nickel	115	42	13.0	Outside MSA Background
INORG	Potassium	115	3700	1,100	Outside MSA Background
INORG	Sodium	115	220	130.0	Outside MSA Background
INORG	Vanadium	115	31	25.0	Outside MSA Background
INORG	Zinc	115	61	60.2	Outside MSA Background
INORG	Aluminum	116	11000	9,200	Outside MSA Background
INORG	Beryllium	116	0.91	0.56	Outside MSA Background
INORG	Calcium	116	78000	5,525	Outside MSA Background
INORG	Chromium	116	29	13.0	Outside MSA Background
INORG	Cobalt	116	17	8.9	Outside MSA Background
INORG	Copper	116	38	12.0	Outside MSA Background
INORG	Iron	116	29000	15,000	Outside MSA Background
INORG	Magnesium	116	29000	2,700	Outside MSA Background
INORG	Nickel	116	44	13.0	Outside MSA Background
INORG	Potassium	116	3800	1,100	Outside MSA Background
INORG	Sodium	116	230	130.0	Outside MSA Background
INORG	Vanadium	116	29	25.0	Outside MSA Background
INORG	Zinc	116	66	60.2	Outside MSA Background

**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

May 09, 2019

Environmental Group Services, Ltd.

557 W. Polk

Chicago, IL 60610

Telephone: (312) 447-1200

Fax: (312) 447-0922

Analytical Report for STAT Work Order: 19041196 Revision 0

RE: Franklin (EB-1)

Dear Environmental Group Services, Ltd.:

STAT Analysis received 8 samples for the referenced project on 4/30/2019 4:32:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

  
Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

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**Client:** Environmental Group Services, Ltd.  
**Project:** Franklin (EB-1)  
**Work Order:** 19041196 Revision 0

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**Work Order Sample Summary**

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<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
19041196-001A	101		4/29/2019 8:00:00 AM	4/30/2019
19041196-001B	101		4/29/2019 8:00:00 AM	4/30/2019
19041196-002A	102		4/29/2019 8:15:00 AM	4/30/2019
19041196-002B	102		4/29/2019 8:15:00 AM	4/30/2019
19041196-003A	103		4/29/2019 8:30:00 AM	4/30/2019
19041196-003B	103		4/29/2019 8:30:00 AM	4/30/2019
19041196-004A	104		4/29/2019 9:00:00 AM	4/30/2019
19041196-004B	104		4/29/2019 9:00:00 AM	4/30/2019
19041196-005A	105		4/29/2019 9:30:00 AM	4/30/2019
19041196-005B	105		4/29/2019 9:30:00 AM	4/30/2019
19041196-006A	106		4/29/2019 10:00:00 AM	4/30/2019
19041196-006B	106		4/29/2019 10:00:00 AM	4/30/2019
19041196-007A	107		4/29/2019 10:30:00 AM	4/30/2019
19041196-007B	107		4/29/2019 10:30:00 AM	4/30/2019
19041196-008A	108		4/29/2019 11:00:00 AM	4/30/2019
19041196-008B	108		4/29/2019 11:00:00 AM	4/30/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 101

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.091		mg/Kg-dry	1	5/8/2019
Benzene	ND	0.0061		mg/Kg-dry	1	5/8/2019
Bromodichloromethane	ND	0.0061		mg/Kg-dry	1	5/8/2019
Bromoform	ND	0.0061		mg/Kg-dry	1	5/8/2019
Bromomethane	ND	0.012		mg/Kg-dry	1	5/8/2019
2-Butanone	ND	0.091		mg/Kg-dry	1	5/8/2019
Carbon disulfide	ND	0.061		mg/Kg-dry	1	5/8/2019
Carbon tetrachloride	ND	0.0061		mg/Kg-dry	1	5/8/2019
Chlorobenzene	ND	0.0061		mg/Kg-dry	1	5/8/2019
Chloroethane	ND	0.012		mg/Kg-dry	1	5/8/2019
Chloroform	ND	0.0061		mg/Kg-dry	1	5/8/2019
Chloromethane	ND	0.012		mg/Kg-dry	1	5/8/2019
Dibromochloromethane	ND	0.0061		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethane	ND	0.0061		mg/Kg-dry	1	5/8/2019
1,2-Dichloroethane	ND	0.0061		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethene	ND	0.0061		mg/Kg-dry	1	5/8/2019
cis-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	5/8/2019
trans-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	5/8/2019
1,2-Dichloropropane	ND	0.0061		mg/Kg-dry	1	5/8/2019
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	5/8/2019
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	5/8/2019
Ethylbenzene	ND	0.0061		mg/Kg-dry	1	5/8/2019
2-Hexanone	ND	0.024		mg/Kg-dry	1	5/8/2019
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	5/8/2019
Methylene chloride	ND	0.012		mg/Kg-dry	1	5/8/2019
Methyl tert-butyl ether	ND	0.0061		mg/Kg-dry	1	5/8/2019
Styrene	ND	0.0061		mg/Kg-dry	1	5/8/2019
1,1,2,2-Tetrachloroethane	ND	0.0061		mg/Kg-dry	1	5/8/2019
Tetrachloroethene	ND	0.0061		mg/Kg-dry	1	5/8/2019
Toluene	ND	0.0061		mg/Kg-dry	1	5/8/2019
1,1,1-Trichloroethane	ND	0.0061		mg/Kg-dry	1	5/8/2019
1,1,2-Trichloroethane	ND	0.0061		mg/Kg-dry	1	5/8/2019
Trichloroethene	ND	0.0061		mg/Kg-dry	1	5/8/2019
Vinyl chloride	ND	0.0061		mg/Kg-dry	1	5/8/2019
Xylenes, Total	ND	0.018		mg/Kg-dry	1	5/8/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	5/2/2019

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 101

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>
Aniline	ND	0.41		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.41		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

**Qualifiers:**

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 101

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: DM	
Fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.041		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.83		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: EN	
Aroclor 1016	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	5/1/2019

**Qualifiers:**

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\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 101

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: EN</b>
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 5/4/2019</b>		<b>Analyst: MDT</b>
Aluminum	13000	22		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.2		mg/Kg-dry	10	5/8/2019
Arsenic	3.1	1.1		mg/Kg-dry	10	5/8/2019
Barium	75	1.1		mg/Kg-dry	10	5/8/2019
Beryllium	0.79	0.56		mg/Kg-dry	10	5/8/2019
Cadmium	ND	0.56		mg/Kg-dry	10	5/8/2019
Calcium	63000	67		mg/Kg-dry	10	5/8/2019
Chromium	26	1.1		mg/Kg-dry	10	5/8/2019
Cobalt	12	1.1		mg/Kg-dry	10	5/8/2019
Copper	17	2.8		mg/Kg-dry	10	5/8/2019
Iron	21000	33		mg/Kg-dry	10	5/8/2019
Lead	8.9	0.56		mg/Kg-dry	10	5/8/2019
Magnesium	28000	33		mg/Kg-dry	10	5/8/2019
Manganese	430	1.1		mg/Kg-dry	10	5/8/2019
Nickel	33	1.1		mg/Kg-dry	10	5/8/2019

**Qualifiers:**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 101

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>		Prep Date: 5/4/2019		Analyst: MDT	
Potassium	3500	33		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/8/2019
Silver	ND	1.1		mg/Kg-dry	10	5/8/2019
Sodium	230	67		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/8/2019
Vanadium	24	1.1		mg/Kg-dry	10	5/8/2019
Zinc	45	5.6		mg/Kg-dry	10	5/8/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 5/3/2019		Analyst: MDT	
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.49	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.013	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.6	0.010		mg/L	5	5/5/2019
Nickel	0.042	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>		Prep Date: 5/3/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>						
	<b>SW7471B</b>		Prep Date: 5/7/2019		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>		Prep Date: 5/5/2019		Analyst: MD	
Cyanide	ND	0.31		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>		Prep Date: 5/2/2019		Analyst: JT	
pH	7.91			pH Units	1	5/2/2019
<b>Percent Moisture</b>						
	<b>D2974</b>		Prep Date: 5/1/2019		Analyst: FN	

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 101

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	20.0	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 102

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:15:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 4/30/2019</b>		<b>Analyst: AET</b>
Acetone	ND	0.11		mg/Kg-dry	1	5/8/2019
Benzene	ND	0.0074		mg/Kg-dry	1	5/8/2019
Bromodichloromethane	ND	0.0074		mg/Kg-dry	1	5/8/2019
Bromoform	ND	0.0074		mg/Kg-dry	1	5/8/2019
Bromomethane	ND	0.015		mg/Kg-dry	1	5/8/2019
2-Butanone	ND	0.11		mg/Kg-dry	1	5/8/2019
Carbon disulfide	ND	0.074		mg/Kg-dry	1	5/8/2019
Carbon tetrachloride	ND	0.0074		mg/Kg-dry	1	5/8/2019
Chlorobenzene	ND	0.0074		mg/Kg-dry	1	5/8/2019
Chloroethane	ND	0.015		mg/Kg-dry	1	5/8/2019
Chloroform	ND	0.0074		mg/Kg-dry	1	5/8/2019
Chloromethane	ND	0.015		mg/Kg-dry	1	5/8/2019
Dibromochloromethane	ND	0.0074		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethane	ND	0.0074		mg/Kg-dry	1	5/8/2019
1,2-Dichloroethane	ND	0.0074		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethene	ND	0.0074		mg/Kg-dry	1	5/8/2019
cis-1,2-Dichloroethene	ND	0.0074		mg/Kg-dry	1	5/8/2019
trans-1,2-Dichloroethene	ND	0.0074		mg/Kg-dry	1	5/8/2019
1,2-Dichloropropane	ND	0.0074		mg/Kg-dry	1	5/8/2019
cis-1,3-Dichloropropene	ND	0.0030		mg/Kg-dry	1	5/8/2019
trans-1,3-Dichloropropene	ND	0.0030		mg/Kg-dry	1	5/8/2019
Ethylbenzene	ND	0.0074		mg/Kg-dry	1	5/8/2019
2-Hexanone	ND	0.030		mg/Kg-dry	1	5/8/2019
4-Methyl-2-pentanone	ND	0.030		mg/Kg-dry	1	5/8/2019
Methylene chloride	ND	0.015		mg/Kg-dry	1	5/8/2019
Methyl tert-butyl ether	ND	0.0074		mg/Kg-dry	1	5/8/2019
Styrene	ND	0.0074		mg/Kg-dry	1	5/8/2019
1,1,2,2-Tetrachloroethane	ND	0.0074		mg/Kg-dry	1	5/8/2019
Tetrachloroethene	ND	0.0074		mg/Kg-dry	1	5/8/2019
Toluene	ND	0.0074		mg/Kg-dry	1	5/8/2019
1,1,1-Trichloroethane	ND	0.0074		mg/Kg-dry	1	5/8/2019
1,1,2-Trichloroethane	ND	0.0074		mg/Kg-dry	1	5/8/2019
Trichloroethene	ND	0.0074		mg/Kg-dry	1	5/8/2019
Vinyl chloride	ND	0.0074		mg/Kg-dry	1	5/8/2019
Xylenes, Total	ND	0.022		mg/Kg-dry	1	5/8/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>
Acenaphthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 102

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:15:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
		<b>SW8270C (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Aniline	ND	0.42		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benztidine	ND	0.41		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 102

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:15:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>	
Fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.041		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.84		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: EN</b>	
Aroclor 1016	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.098		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 102

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:15:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: EN
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 5/4/2019		Analyst: MDT
Aluminum	11000	21		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.1		mg/Kg-dry	10	5/8/2019
Arsenic	7.1	1.1		mg/Kg-dry	10	5/8/2019
Barium	49	1.1		mg/Kg-dry	10	5/8/2019
Beryllium	0.76	0.54		mg/Kg-dry	10	5/8/2019
Cadmium	ND	0.54		mg/Kg-dry	10	5/8/2019
Calcium	61000	64		mg/Kg-dry	10	5/8/2019
Chromium	23	1.1		mg/Kg-dry	10	5/8/2019
Cobalt	12	1.1		mg/Kg-dry	10	5/8/2019
Copper	22	2.7		mg/Kg-dry	10	5/8/2019
Iron	22000	32		mg/Kg-dry	10	5/8/2019
Lead	13	0.54		mg/Kg-dry	10	5/8/2019
Magnesium	30000	32		mg/Kg-dry	10	5/8/2019
Manganese	410	1.1		mg/Kg-dry	10	5/8/2019
Nickel	34	1.1		mg/Kg-dry	10	5/8/2019

**Qualifiers:**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 102

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:15:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		<b>Prep Date: 5/4/2019</b>		<b>Analyst: MDT</b>	
Potassium	3000	32		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/8/2019
Silver	ND	1.1		mg/Kg-dry	10	5/8/2019
Sodium	140	64		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/8/2019
Vanadium	23	1.1		mg/Kg-dry	10	5/8/2019
Zinc	45	5.4		mg/Kg-dry	10	5/8/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Aluminum	0.15	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.44	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.038	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	0.78	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	5.8	0.010		mg/L	5	5/5/2019
Nickel	0.065	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>		<b>Prep Date: 5/7/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.021		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		<b>Prep Date: 5/5/2019</b>		<b>Analyst: MD</b>	
Cyanide	ND	0.31		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		<b>Prep Date: 5/2/2019</b>		<b>Analyst: JT</b>	
pH	7.93			pH Units	1	5/2/2019
<b>Percent Moisture</b>	<b>D2974</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: FN</b>	

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 102

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:15:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974					
Percent Moisture	20.1	0.2	*	wt%	1	Prep Date: 5/1/2019 Analyst: FN 5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 103

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.083		mg/Kg-dry	1	5/8/2019
Benzene	ND	0.0055		mg/Kg-dry	1	5/8/2019
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	5/8/2019
Bromoform	ND	0.0055		mg/Kg-dry	1	5/8/2019
Bromomethane	ND	0.011		mg/Kg-dry	1	5/8/2019
2-Butanone	ND	0.083		mg/Kg-dry	1	5/8/2019
Carbon disulfide	ND	0.055		mg/Kg-dry	1	5/8/2019
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	5/8/2019
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	5/8/2019
Chloroethane	ND	0.011		mg/Kg-dry	1	5/8/2019
Chloroform	ND	0.0055		mg/Kg-dry	1	5/8/2019
Chloromethane	ND	0.011		mg/Kg-dry	1	5/8/2019
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	5/8/2019
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	5/8/2019
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	5/8/2019
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	5/8/2019
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	5/8/2019
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	5/8/2019
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	5/8/2019
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	5/8/2019
2-Hexanone	ND	0.022		mg/Kg-dry	1	5/8/2019
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	5/8/2019
Methylene chloride	ND	0.011		mg/Kg-dry	1	5/8/2019
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	5/8/2019
Styrene	ND	0.0055		mg/Kg-dry	1	5/8/2019
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	5/8/2019
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	5/8/2019
Toluene	ND	0.0055		mg/Kg-dry	1	5/8/2019
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	5/8/2019
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	5/8/2019
Trichloroethene	ND	0.0055		mg/Kg-dry	1	5/8/2019
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	5/8/2019
Xylenes, Total	ND	0.017		mg/Kg-dry	1	5/8/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 103

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>
Aniline	ND	0.41		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.40		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 103

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.040		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.82		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.095		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 103

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: EN
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.019		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.039		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 5/4/2019		Analyst: MDT
Aluminum	14000	20		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.0		mg/Kg-dry	10	5/8/2019
Arsenic	11	1.0		mg/Kg-dry	10	5/8/2019
Barium	61	1.0		mg/Kg-dry	10	5/8/2019
Beryllium	0.86	0.51		mg/Kg-dry	10	5/8/2019
Cadmium	ND	0.51		mg/Kg-dry	10	5/8/2019
Calcium	57000	61		mg/Kg-dry	10	5/8/2019
Chromium	26	1.0		mg/Kg-dry	10	5/8/2019
Cobalt	13	1.0		mg/Kg-dry	10	5/8/2019
Copper	20	2.5		mg/Kg-dry	10	5/8/2019
Iron	21000	31		mg/Kg-dry	10	5/8/2019
Lead	9.8	0.51		mg/Kg-dry	10	5/8/2019
Magnesium	27000	31		mg/Kg-dry	10	5/8/2019
Manganese	400	1.0		mg/Kg-dry	10	5/8/2019
Nickel	35	1.0		mg/Kg-dry	10	5/8/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 103

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 5/4/2019		Analyst: MDT	
Potassium	3900	31		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.0		mg/Kg-dry	10	5/8/2019
Silver	ND	1.0		mg/Kg-dry	10	5/8/2019
Sodium	200	61		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.0		mg/Kg-dry	10	5/8/2019
Vanadium	27	1.0		mg/Kg-dry	10	5/8/2019
Zinc	48	5.1		mg/Kg-dry	10	5/8/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 5/3/2019		Analyst: MDT	
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.52	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.020	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.1	0.010		mg/L	5	5/5/2019
Nickel	0.060	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 5/3/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 5/7/2019		Analyst: LB	
Mercury	ND	0.022		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 5/5/2019		Analyst: MD	
Cyanide	ND	0.31		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 5/2/2019		Analyst: JT	
pH	7.92			pH Units	1	5/2/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 5/1/2019		Analyst: FN	

Qualifiers: ND - Not Detected at the Reporting Limit  
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S - Spike Recovery outside accepted recovery limits  
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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 103

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 8:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	18.2	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 104

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>		Prep Date: 4/30/2019		Analyst: AET	
Acetone	ND	0.13		mg/Kg-dry	1	5/8/2019
Benzene	ND	0.0087		mg/Kg-dry	1	5/8/2019
Bromodichloromethane	ND	0.0087		mg/Kg-dry	1	5/8/2019
Bromoform	ND	0.0087		mg/Kg-dry	1	5/8/2019
Bromomethane	ND	0.017		mg/Kg-dry	1	5/8/2019
2-Butanone	ND	0.13		mg/Kg-dry	1	5/8/2019
Carbon disulfide	ND	0.087		mg/Kg-dry	1	5/8/2019
Carbon tetrachloride	ND	0.0087		mg/Kg-dry	1	5/8/2019
Chlorobenzene	ND	0.0087		mg/Kg-dry	1	5/8/2019
Chloroethane	ND	0.017		mg/Kg-dry	1	5/8/2019
Chloroform	ND	0.0087		mg/Kg-dry	1	5/8/2019
Chloromethane	ND	0.017		mg/Kg-dry	1	5/8/2019
Dibromochloromethane	ND	0.0087		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethane	ND	0.0087		mg/Kg-dry	1	5/8/2019
1,2-Dichloroethane	ND	0.0087		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethene	ND	0.0087		mg/Kg-dry	1	5/8/2019
cis-1,2-Dichloroethene	ND	0.0087		mg/Kg-dry	1	5/8/2019
trans-1,2-Dichloroethene	ND	0.0087		mg/Kg-dry	1	5/8/2019
1,2-Dichloropropane	ND	0.0087		mg/Kg-dry	1	5/8/2019
cis-1,3-Dichloropropene	ND	0.0035		mg/Kg-dry	1	5/8/2019
trans-1,3-Dichloropropene	ND	0.0035		mg/Kg-dry	1	5/8/2019
Ethylbenzene	ND	0.0087		mg/Kg-dry	1	5/8/2019
2-Hexanone	ND	0.035		mg/Kg-dry	1	5/8/2019
4-Methyl-2-pentanone	ND	0.035		mg/Kg-dry	1	5/8/2019
Methylene chloride	ND	0.017		mg/Kg-dry	1	5/8/2019
Methyl tert-butyl ether	ND	0.0087		mg/Kg-dry	1	5/8/2019
Styrene	ND	0.0087		mg/Kg-dry	1	5/8/2019
1,1,2,2-Tetrachloroethane	ND	0.0087		mg/Kg-dry	1	5/8/2019
Tetrachloroethene	ND	0.0087		mg/Kg-dry	1	5/8/2019
Toluene	ND	0.0087		mg/Kg-dry	1	5/8/2019
1,1,1-Trichloroethane	ND	0.0087		mg/Kg-dry	1	5/8/2019
1,1,2-Trichloroethane	ND	0.0087		mg/Kg-dry	1	5/8/2019
Trichloroethene	ND	0.0087		mg/Kg-dry	1	5/8/2019
Vinyl chloride	ND	0.0087		mg/Kg-dry	1	5/8/2019
Xylenes, Total	ND	0.026		mg/Kg-dry	1	5/8/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: DM	
Acenaphthene	ND	0.042		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.042		mg/Kg-dry	1	5/2/2019

Qualifiers:

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 104

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Aniline	ND	0.42		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.042		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	5/2/2019
Benzdine	ND	0.42		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.1		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.22		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.042		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.22		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 104

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.042		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.042		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.22		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.22		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.22		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.22		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.042		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.042		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.085		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.042		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.22		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.042		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.85		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 104

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: EN</b>
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.042		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 5/4/2019</b>		<b>Analyst: MDT</b>
Aluminum	15000	23		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.3		mg/Kg-dry	10	5/8/2019
Arsenic	4.8	1.2		mg/Kg-dry	10	5/8/2019
Barium	87	1.2		mg/Kg-dry	10	5/8/2019
Beryllium	0.97	0.58		mg/Kg-dry	10	5/8/2019
Cadmium	ND	0.58		mg/Kg-dry	10	5/8/2019
Calcium	53000	69		mg/Kg-dry	10	5/8/2019
Chromium	28	1.2		mg/Kg-dry	10	5/8/2019
Cobalt	14	1.2		mg/Kg-dry	10	5/8/2019
Copper	26	2.9		mg/Kg-dry	10	5/8/2019
Iron	25000	35		mg/Kg-dry	10	5/8/2019
Lead	12	0.58		mg/Kg-dry	10	5/8/2019
Magnesium	27000	35		mg/Kg-dry	10	5/8/2019
Manganese	430	1.2		mg/Kg-dry	10	5/8/2019
Nickel	37	1.2		mg/Kg-dry	10	5/8/2019

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 104

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 5/4/2019	Analyst: MDT
Potassium	4300	35		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.2		mg/Kg-dry	10	5/8/2019
Silver	ND	1.2		mg/Kg-dry	10	5/8/2019
Sodium	170	69		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.2		mg/Kg-dry	10	5/8/2019
Vanadium	29	1.2		mg/Kg-dry	10	5/8/2019
Zinc	50	5.8		mg/Kg-dry	10	5/8/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>				Prep Date: 5/3/2019	Analyst: MDT
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.47	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.029	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.0	0.010		mg/L	5	5/5/2019
Nickel	0.071	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>				Prep Date: 5/3/2019	Analyst: LB
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 5/7/2019	Analyst: LB
Mercury	ND	0.023		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 5/5/2019	Analyst: MD
Cyanide	ND	0.32		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 5/2/2019	Analyst: JT
pH	7.94			pH Units	1	5/2/2019
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 5/1/2019	Analyst: FN

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E - Value above quantitation range

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 104

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	<b>D2974</b>				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	21.4	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 105

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.11		mg/Kg-dry	1	5/8/2019
Benzene	ND	0.0073		mg/Kg-dry	1	5/8/2019
Bromodichloromethane	ND	0.0073		mg/Kg-dry	1	5/8/2019
Bromoform	ND	0.0073		mg/Kg-dry	1	5/8/2019
Bromomethane	ND	0.015		mg/Kg-dry	1	5/8/2019
2-Butanone	ND	0.11		mg/Kg-dry	1	5/8/2019
Carbon disulfide	ND	0.073		mg/Kg-dry	1	5/8/2019
Carbon tetrachloride	ND	0.0073		mg/Kg-dry	1	5/8/2019
Chlorobenzene	ND	0.0073		mg/Kg-dry	1	5/8/2019
Chloroethane	ND	0.015		mg/Kg-dry	1	5/8/2019
Chloroform	ND	0.0073		mg/Kg-dry	1	5/8/2019
Chloromethane	ND	0.015		mg/Kg-dry	1	5/8/2019
Dibromochloromethane	ND	0.0073		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethane	ND	0.0073		mg/Kg-dry	1	5/8/2019
1,2-Dichloroethane	ND	0.0073		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethene	ND	0.0073		mg/Kg-dry	1	5/8/2019
cis-1,2-Dichloroethene	ND	0.0073		mg/Kg-dry	1	5/8/2019
trans-1,2-Dichloroethene	ND	0.0073		mg/Kg-dry	1	5/8/2019
1,2-Dichloropropane	ND	0.0073		mg/Kg-dry	1	5/8/2019
cis-1,3-Dichloropropene	ND	0.0029		mg/Kg-dry	1	5/8/2019
trans-1,3-Dichloropropene	ND	0.0029		mg/Kg-dry	1	5/8/2019
Ethylbenzene	ND	0.0073		mg/Kg-dry	1	5/8/2019
2-Hexanone	ND	0.029		mg/Kg-dry	1	5/8/2019
4-Methyl-2-pentanone	ND	0.029		mg/Kg-dry	1	5/8/2019
Methylene chloride	ND	0.015		mg/Kg-dry	1	5/8/2019
Methyl tert-butyl ether	ND	0.0073		mg/Kg-dry	1	5/8/2019
Styrene	ND	0.0073		mg/Kg-dry	1	5/8/2019
1,1,2,2-Tetrachloroethane	ND	0.0073		mg/Kg-dry	1	5/8/2019
Tetrachloroethene	ND	0.0073		mg/Kg-dry	1	5/8/2019
Toluene	ND	0.0073		mg/Kg-dry	1	5/8/2019
1,1,1-Trichloroethane	ND	0.0073		mg/Kg-dry	1	5/8/2019
1,1,2-Trichloroethane	ND	0.0073		mg/Kg-dry	1	5/8/2019
Trichloroethene	ND	0.0073		mg/Kg-dry	1	5/8/2019
Vinyl chloride	ND	0.0073		mg/Kg-dry	1	5/8/2019
Xylenes, Total	ND	0.022		mg/Kg-dry	1	5/8/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 105

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>					
					Prep Date: 5/1/2019	Analyst: DM
Aniline	ND	0.41		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzdine	ND	0.40		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 105

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.040		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.82		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.095		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 105

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: EN</b>
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.019		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.039		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 5/4/2019</b>		<b>Analyst: MDT</b>
Aluminum	14000	20		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.0		mg/Kg-dry	10	5/8/2019
Arsenic	6.4	1.0		mg/Kg-dry	10	5/8/2019
Barium	94	1.0		mg/Kg-dry	10	5/8/2019
Beryllium	0.98	0.51		mg/Kg-dry	10	5/8/2019
Cadmium	ND	0.51		mg/Kg-dry	10	5/8/2019
Calcium	59000	61		mg/Kg-dry	10	5/8/2019
Chromium	26	1.0		mg/Kg-dry	10	5/8/2019
Cobalt	14	1.0		mg/Kg-dry	10	5/8/2019
Copper	29	2.6		mg/Kg-dry	10	5/8/2019
Iron	26000	31		mg/Kg-dry	10	5/8/2019
Lead	13	0.51		mg/Kg-dry	10	5/8/2019
Magnesium	30000	31		mg/Kg-dry	10	5/8/2019
Manganese	470	1.0		mg/Kg-dry	10	5/8/2019
Nickel	39	1.0		mg/Kg-dry	10	5/8/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 105

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		<b>Prep Date: 5/4/2019</b>		<b>Analyst: MDT</b>	
Potassium	3800	31		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.0		mg/Kg-dry	10	5/8/2019
Silver	ND	1.0		mg/Kg-dry	10	5/8/2019
Sodium	170	61		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.0		mg/Kg-dry	10	5/8/2019
Vanadium	28	1.0		mg/Kg-dry	10	5/8/2019
Zinc	51	5.1		mg/Kg-dry	10	5/8/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.54	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.020	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.3	0.010		mg/L	5	5/5/2019
Nickel	0.060	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>		<b>Prep Date: 5/7/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.024		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		<b>Prep Date: 5/5/2019</b>		<b>Analyst: MD</b>	
Cyanide	ND	0.31		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		<b>Prep Date: 5/2/2019</b>		<b>Analyst: JT</b>	
pH	7.92			pH Units	1	5/2/2019
<b>Percent Moisture</b>	<b>D2974</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: FN</b>	

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**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 105

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 9:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	<b>D2974</b>				Prep Date: 5/1/2019	Analyst: <b>FN</b>
Percent Moisture	18.4	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 106

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 4/30/2019</b>		<b>Analyst: AET</b>
Acetone	ND	0.10		mg/Kg-dry	1	5/8/2019
Benzene	ND	0.0070		mg/Kg-dry	1	5/8/2019
Bromodichloromethane	ND	0.0070		mg/Kg-dry	1	5/8/2019
Bromoform	ND	0.0070		mg/Kg-dry	1	5/8/2019
Bromomethane	ND	0.014		mg/Kg-dry	1	5/8/2019
2-Butanone	ND	0.10		mg/Kg-dry	1	5/8/2019
Carbon disulfide	ND	0.070		mg/Kg-dry	1	5/8/2019
Carbon tetrachloride	ND	0.0070		mg/Kg-dry	1	5/8/2019
Chlorobenzene	ND	0.0070		mg/Kg-dry	1	5/8/2019
Chloroethane	ND	0.014		mg/Kg-dry	1	5/8/2019
Chloroform	ND	0.0070		mg/Kg-dry	1	5/8/2019
Chloromethane	ND	0.014		mg/Kg-dry	1	5/8/2019
Dibromochloromethane	ND	0.0070		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethane	ND	0.0070		mg/Kg-dry	1	5/8/2019
1,2-Dichloroethane	ND	0.0070		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethene	ND	0.0070		mg/Kg-dry	1	5/8/2019
cis-1,2-Dichloroethene	ND	0.0070		mg/Kg-dry	1	5/8/2019
trans-1,2-Dichloroethene	ND	0.0070		mg/Kg-dry	1	5/8/2019
1,2-Dichloropropane	ND	0.0070		mg/Kg-dry	1	5/8/2019
cis-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	5/8/2019
trans-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	5/8/2019
Ethylbenzene	ND	0.0070		mg/Kg-dry	1	5/8/2019
2-Hexanone	ND	0.028		mg/Kg-dry	1	5/8/2019
4-Methyl-2-pentanone	ND	0.028		mg/Kg-dry	1	5/8/2019
Methylene chloride	ND	0.014		mg/Kg-dry	1	5/8/2019
Methyl tert-butyl ether	ND	0.0070		mg/Kg-dry	1	5/8/2019
Styrene	ND	0.0070		mg/Kg-dry	1	5/8/2019
1,1,2,2-Tetrachloroethane	ND	0.0070		mg/Kg-dry	1	5/8/2019
Tetrachloroethene	ND	0.0070		mg/Kg-dry	1	5/8/2019
Toluene	ND	0.0070		mg/Kg-dry	1	5/8/2019
1,1,1-Trichloroethane	ND	0.0070		mg/Kg-dry	1	5/8/2019
1,1,2-Trichloroethane	ND	0.0070		mg/Kg-dry	1	5/8/2019
Trichloroethene	ND	0.0070		mg/Kg-dry	1	5/8/2019
Vinyl chloride	ND	0.0070		mg/Kg-dry	1	5/8/2019
Xylenes, Total	ND	0.021		mg/Kg-dry	1	5/8/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>
Acenaphthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 106

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>
Aniline	ND	0.42		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.41		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 106

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.041		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.84		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 106

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>				Prep Date: 5/1/2019	Analyst: EN
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>				Prep Date: 5/4/2019	Analyst: MDT
Aluminum	13000	22		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.2		mg/Kg-dry	10	5/8/2019
Arsenic	6.4	1.1		mg/Kg-dry	10	5/8/2019
Barium	83	1.1		mg/Kg-dry	10	5/8/2019
Beryllium	0.87	0.55		mg/Kg-dry	10	5/8/2019
Cadmium	ND	0.55		mg/Kg-dry	10	5/8/2019
Calcium	57000	66		mg/Kg-dry	10	5/8/2019
Chromium	26	1.1		mg/Kg-dry	10	5/8/2019
Cobalt	15	1.1		mg/Kg-dry	10	5/8/2019
Copper	23	2.8		mg/Kg-dry	10	5/8/2019
Iron	22000	33		mg/Kg-dry	10	5/8/2019
Lead	13	0.55		mg/Kg-dry	10	5/8/2019
Magnesium	28000	33		mg/Kg-dry	10	5/8/2019
Manganese	430	1.1		mg/Kg-dry	10	5/8/2019
Nickel	40	1.1		mg/Kg-dry	10	5/8/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 106

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 5/4/2019</b>		<b>Analyst: MDT</b>
Potassium	3500	33		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/8/2019
Silver	ND	1.1		mg/Kg-dry	10	5/8/2019
Sodium	160	66		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/8/2019
Vanadium	25	1.1		mg/Kg-dry	10	5/8/2019
Zinc	50	5.5		mg/Kg-dry	10	5/8/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.51	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.022	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	2.9	0.010		mg/L	5	5/5/2019
Nickel	0.060	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			<b>Prep Date: 5/3/2019</b>		<b>Analyst: LB</b>
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>						
	<b>SW7471B</b>			<b>Prep Date: 5/6/2019</b>		<b>Analyst: LB</b>
Mercury	ND	0.023		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			<b>Prep Date: 5/5/2019</b>		<b>Analyst: MD</b>
Cyanide	ND	0.32		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			<b>Prep Date: 5/2/2019</b>		<b>Analyst: JT</b>
pH	7.93			pH Units	1	5/2/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: FN</b>

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 106

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	21.2	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 107

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.19		mg/Kg-dry	1	5/8/2019
Benzene	ND	0.013		mg/Kg-dry	1	5/8/2019
Bromodichloromethane	ND	0.013		mg/Kg-dry	1	5/8/2019
Bromoform	ND	0.013		mg/Kg-dry	1	5/8/2019
Bromomethane	ND	0.025		mg/Kg-dry	1	5/8/2019
2-Butanone	ND	0.19		mg/Kg-dry	1	5/8/2019
Carbon disulfide	ND	0.13		mg/Kg-dry	1	5/8/2019
Carbon tetrachloride	ND	0.013		mg/Kg-dry	1	5/8/2019
Chlorobenzene	ND	0.013		mg/Kg-dry	1	5/8/2019
Chloroethane	ND	0.025		mg/Kg-dry	1	5/8/2019
Chloroform	ND	0.013		mg/Kg-dry	1	5/8/2019
Chloromethane	ND	0.025		mg/Kg-dry	1	5/8/2019
Dibromochloromethane	ND	0.013		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethane	ND	0.013		mg/Kg-dry	1	5/8/2019
1,2-Dichloroethane	ND	0.013		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethene	ND	0.013		mg/Kg-dry	1	5/8/2019
cis-1,2-Dichloroethene	ND	0.013		mg/Kg-dry	1	5/8/2019
trans-1,2-Dichloroethene	ND	0.013		mg/Kg-dry	1	5/8/2019
1,2-Dichloropropane	ND	0.013		mg/Kg-dry	1	5/8/2019
cis-1,3-Dichloropropene	ND	0.0050		mg/Kg-dry	1	5/8/2019
trans-1,3-Dichloropropene	ND	0.0050		mg/Kg-dry	1	5/8/2019
Ethylbenzene	ND	0.013		mg/Kg-dry	1	5/8/2019
2-Hexanone	ND	0.050		mg/Kg-dry	1	5/8/2019
4-Methyl-2-pentanone	ND	0.050		mg/Kg-dry	1	5/8/2019
Methylene chloride	ND	0.025		mg/Kg-dry	1	5/8/2019
Methyl tert-butyl ether	ND	0.013		mg/Kg-dry	1	5/8/2019
Styrene	ND	0.013		mg/Kg-dry	1	5/8/2019
1,1,2,2-Tetrachloroethane	ND	0.013		mg/Kg-dry	1	5/8/2019
Tetrachloroethene	ND	0.013		mg/Kg-dry	1	5/8/2019
Toluene	ND	0.013		mg/Kg-dry	1	5/8/2019
1,1,1-Trichloroethane	ND	0.013		mg/Kg-dry	1	5/8/2019
1,1,2-Trichloroethane	ND	0.013		mg/Kg-dry	1	5/8/2019
Trichloroethene	ND	0.013		mg/Kg-dry	1	5/8/2019
Vinyl chloride	ND	0.013		mg/Kg-dry	1	5/8/2019
Xylenes, Total	ND	0.038		mg/Kg-dry	1	5/8/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 107

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>
Aniline	ND	0.41		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzdine	ND	0.40		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 107

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.040		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.82		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 107

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: EN
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 5/4/2019		Analyst: MDT
Aluminum	14000	22		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.2		mg/Kg-dry	10	5/8/2019
Arsenic	9.7	1.1		mg/Kg-dry	10	5/8/2019
Barium	61	1.1		mg/Kg-dry	10	5/8/2019
Beryllium	0.86	0.56		mg/Kg-dry	10	5/8/2019
Cadmium	ND	0.56		mg/Kg-dry	10	5/8/2019
Calcium	61000	67		mg/Kg-dry	10	5/8/2019
Chromium	27	1.1		mg/Kg-dry	10	5/8/2019
Cobalt	16	1.1		mg/Kg-dry	10	5/8/2019
Copper	20	2.8		mg/Kg-dry	10	5/8/2019
Iron	21000	34		mg/Kg-dry	10	5/8/2019
Lead	12	0.56		mg/Kg-dry	10	5/8/2019
Magnesium	29000	34		mg/Kg-dry	10	5/8/2019
Manganese	430	1.1		mg/Kg-dry	10	5/8/2019
Nickel	42	1.1		mg/Kg-dry	10	5/8/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 107

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 5/4/2019</b>		<b>Analyst: MDT</b>
Potassium	4000	34		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/8/2019
Silver	ND	1.1		mg/Kg-dry	10	5/8/2019
Sodium	180	67		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/8/2019
Vanadium	27	1.1		mg/Kg-dry	10	5/8/2019
Zinc	50	5.6		mg/Kg-dry	10	5/8/2019
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020A (SW3005A)</b>			<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.47	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.013	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.2	0.010		mg/L	5	5/5/2019
Nickel	0.044	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>			<b>Prep Date: 5/3/2019</b>		<b>Analyst: LB</b>
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>						
	<b>SW7471B</b>			<b>Prep Date: 5/6/2019</b>		<b>Analyst: LB</b>
Mercury	ND	0.019		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>						
	<b>SW9012A</b>			<b>Prep Date: 5/5/2019</b>		<b>Analyst: MD</b>
Cyanide	ND	0.31		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>						
	<b>SW9045C</b>			<b>Prep Date: 5/2/2019</b>		<b>Analyst: JT</b>
pH	8.07			pH Units	1	5/2/2019
<b>Percent Moisture</b>						
	<b>D2974</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: FN</b>

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 107

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 10:30:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	<b>D2974</b>				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	19.0	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 108

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 11:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 4/30/2019</b>		<b>Analyst: AET</b>
Acetone	ND	0.11		mg/Kg-dry	1	5/8/2019
Benzene	ND	0.0075		mg/Kg-dry	1	5/8/2019
Bromodichloromethane	ND	0.0075		mg/Kg-dry	1	5/8/2019
Bromoform	ND	0.0075		mg/Kg-dry	1	5/8/2019
Bromomethane	ND	0.015		mg/Kg-dry	1	5/8/2019
2-Butanone	ND	0.11		mg/Kg-dry	1	5/8/2019
Carbon disulfide	ND	0.075		mg/Kg-dry	1	5/8/2019
Carbon tetrachloride	ND	0.0075		mg/Kg-dry	1	5/8/2019
Chlorobenzene	ND	0.0075		mg/Kg-dry	1	5/8/2019
Chloroethane	ND	0.015		mg/Kg-dry	1	5/8/2019
Chloroform	ND	0.0075		mg/Kg-dry	1	5/8/2019
Chloromethane	ND	0.015		mg/Kg-dry	1	5/8/2019
Dibromochloromethane	ND	0.0075		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethane	ND	0.0075		mg/Kg-dry	1	5/8/2019
1,2-Dichloroethane	ND	0.0075		mg/Kg-dry	1	5/8/2019
1,1-Dichloroethene	ND	0.0075		mg/Kg-dry	1	5/8/2019
cis-1,2-Dichloroethene	ND	0.0075		mg/Kg-dry	1	5/8/2019
trans-1,2-Dichloroethene	ND	0.0075		mg/Kg-dry	1	5/8/2019
1,2-Dichloropropane	ND	0.0075		mg/Kg-dry	1	5/8/2019
cis-1,3-Dichloropropene	ND	0.0030		mg/Kg-dry	1	5/8/2019
trans-1,3-Dichloropropene	ND	0.0030		mg/Kg-dry	1	5/8/2019
Ethylbenzene	ND	0.0075		mg/Kg-dry	1	5/8/2019
2-Hexanone	ND	0.030		mg/Kg-dry	1	5/8/2019
4-Methyl-2-pentanone	ND	0.030		mg/Kg-dry	1	5/8/2019
Methylene chloride	ND	0.015		mg/Kg-dry	1	5/8/2019
Methyl tert-butyl ether	ND	0.0075		mg/Kg-dry	1	5/8/2019
Styrene	ND	0.0075		mg/Kg-dry	1	5/8/2019
1,1,2,2-Tetrachloroethane	ND	0.0075		mg/Kg-dry	1	5/8/2019
Tetrachloroethene	ND	0.0075		mg/Kg-dry	1	5/8/2019
Toluene	ND	0.0075		mg/Kg-dry	1	5/8/2019
1,1,1-Trichloroethane	ND	0.0075		mg/Kg-dry	1	5/8/2019
1,1,2-Trichloroethane	ND	0.0075		mg/Kg-dry	1	5/8/2019
Trichloroethene	ND	0.0075		mg/Kg-dry	1	5/8/2019
Vinyl chloride	ND	0.0075		mg/Kg-dry	1	5/8/2019
Xylenes, Total	ND	0.023		mg/Kg-dry	1	5/8/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>
Acenaphthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 108

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 11:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>SW8270C (SW3550B)</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>		
Aniline	ND	0.41		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.41		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 108

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 11:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.041		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.82		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.098		mg/Kg-dry	1	5/2/2019
Aroclor 1221	ND	0.098		mg/Kg-dry	1	5/2/2019
Aroclor 1232	ND	0.098		mg/Kg-dry	1	5/2/2019
Aroclor 1242	ND	0.098		mg/Kg-dry	1	5/2/2019
Aroclor 1248	ND	0.098		mg/Kg-dry	1	5/2/2019
Aroclor 1254	ND	0.098		mg/Kg-dry	1	5/2/2019
Aroclor 1260	ND	0.098		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 108

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 11:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: EN</b>
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/2/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/2/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/2/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/2/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/2/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/2/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/2/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/2/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/2/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/2/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/2/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/2/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/2/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/2/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/2/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/2/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/2/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/2/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/2/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/2/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/2/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	5/2/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 5/4/2019</b>		<b>Analyst: MDT</b>
Aluminum	15000	21		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.1		mg/Kg-dry	10	5/8/2019
Arsenic	8.0	1.1		mg/Kg-dry	10	5/8/2019
Barium	83	1.1		mg/Kg-dry	10	5/8/2019
Beryllium	0.95	0.53		mg/Kg-dry	10	5/8/2019
Cadmium	ND	0.53		mg/Kg-dry	10	5/8/2019
Calcium	60000	63		mg/Kg-dry	10	5/8/2019
Chromium	28	1.1		mg/Kg-dry	10	5/8/2019
Cobalt	15	1.1		mg/Kg-dry	10	5/8/2019
Copper	22	2.6		mg/Kg-dry	10	5/8/2019
Iron	22000	32		mg/Kg-dry	10	5/8/2019
Lead	12	0.53		mg/Kg-dry	10	5/8/2019
Magnesium	30000	32		mg/Kg-dry	10	5/8/2019
Manganese	440	1.1		mg/Kg-dry	10	5/8/2019
Nickel	39	1.1		mg/Kg-dry	10	5/8/2019

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 108

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 11:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		<b>Prep Date: 5/4/2019</b>		<b>Analyst: MDT</b>	
Potassium	4500	32		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/8/2019
Silver	ND	1.1		mg/Kg-dry	10	5/8/2019
Sodium	180	63		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/8/2019
Vanadium	29	1.1		mg/Kg-dry	10	5/8/2019
Zinc	51	5.3		mg/Kg-dry	10	5/8/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.55	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.016	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.7	0.010		mg/L	5	5/5/2019
Nickel	0.048	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>		<b>Prep Date: 5/6/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.024		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		<b>Prep Date: 5/5/2019</b>		<b>Analyst: MD</b>	
Cyanide	ND	0.31		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		<b>Prep Date: 5/2/2019</b>		<b>Analyst: JT</b>	
pH	8.07			pH Units	1	5/2/2019
<b>Percent Moisture</b>	<b>D2974</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: FN</b>	

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 108

Work Order: 19041196 Revision 0

Collection Date: 4/29/2019 11:00:00 AM

Project: Franklin (EB-1)

Matrix: Soil

Lab ID: 19041196-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	18.9	0.2	*	wt%	1	5/2/2019

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
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HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



**Sample Receipt Checklist**

Client Name **EGSL**

Date and Time Received: **4/30/2019 4:32:00 PM**

Work Order Number **19041196**

Received by: **EAA**

Checklist completed by: *SW*

Signature

4/30/19

Date

Reviewed by: *BM*

Initials

4/30/19

Date

Matrix:

Carrier name **STAT Analysis**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature <b>4.1 °C</b>
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_



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May 09, 2019

Environmental Group Services, Ltd.

557 W. Polk

Chicago, IL 60610

Telephone: (312) 447-1200

Fax: (312) 447-0922

Analytical Report for STAT Work Order: 19041193 Revision 0

RE: Franklin (EB-2)

Dear Environmental Group Services, Ltd.:

STAT Analysis received 8 samples for the referenced project on 4/30/2019 4:32:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

  
Justice Kyateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Environmental Group Services, Ltd.**Project:** Franklin (EB-2)**Work Order:** 19041193 Revision 0**Work Order Sample Summary**

---

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
19041193-001A	109		4/30/2019 8:00:00 AM	4/30/2019
19041193-001B	109		4/30/2019 8:00:00 AM	4/30/2019
19041193-002A	110		4/30/2019 8:30:00 AM	4/30/2019
19041193-002B	110		4/30/2019 8:30:00 AM	4/30/2019
19041193-003A	111		4/30/2019 9:00:00 AM	4/30/2019
19041193-003B	111		4/30/2019 9:00:00 AM	4/30/2019
19041193-004A	112		4/30/2019 9:30:00 AM	4/30/2019
19041193-004B	112		4/30/2019 9:30:00 AM	4/30/2019
19041193-005A	113		4/30/2019 10:00:00 AM	4/30/2019
19041193-005B	113		4/30/2019 10:00:00 AM	4/30/2019
19041193-006A	114		4/30/2019 10:30:00 AM	4/30/2019
19041193-006B	114		4/30/2019 10:30:00 AM	4/30/2019
19041193-007A	115		4/30/2019 11:00:00 AM	4/30/2019
19041193-007B	115		4/30/2019 11:00:00 AM	4/30/2019
19041193-008A	116		4/30/2019 11:30:00 AM	4/30/2019
19041193-008B	116		4/30/2019 11:30:00 AM	4/30/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 109

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.12		mg/Kg-dry	1	5/7/2019
Benzene	ND	0.0082		mg/Kg-dry	1	5/7/2019
Bromodichloromethane	ND	0.0082		mg/Kg-dry	1	5/7/2019
Bromoform	ND	0.0082		mg/Kg-dry	1	5/7/2019
Bromomethane	ND	0.016		mg/Kg-dry	1	5/7/2019
2-Butanone	ND	0.12		mg/Kg-dry	1	5/7/2019
Carbon disulfide	ND	0.082		mg/Kg-dry	1	5/7/2019
Carbon tetrachloride	ND	0.0082		mg/Kg-dry	1	5/7/2019
Chlorobenzene	ND	0.0082		mg/Kg-dry	1	5/7/2019
Chloroethane	ND	0.016		mg/Kg-dry	1	5/7/2019
Chloroform	ND	0.0082		mg/Kg-dry	1	5/7/2019
Chloromethane	ND	0.016		mg/Kg-dry	1	5/7/2019
Dibromochloromethane	ND	0.0082		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethane	ND	0.0082		mg/Kg-dry	1	5/7/2019
1,2-Dichloroethane	ND	0.0082		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethene	ND	0.0082		mg/Kg-dry	1	5/7/2019
cis-1,2-Dichloroethene	ND	0.0082		mg/Kg-dry	1	5/7/2019
trans-1,2-Dichloroethene	ND	0.0082		mg/Kg-dry	1	5/7/2019
1,2-Dichloropropane	ND	0.0082		mg/Kg-dry	1	5/7/2019
cis-1,3-Dichloropropene	ND	0.0033		mg/Kg-dry	1	5/7/2019
trans-1,3-Dichloropropene	ND	0.0033		mg/Kg-dry	1	5/7/2019
Ethylbenzene	ND	0.0082		mg/Kg-dry	1	5/7/2019
2-Hexanone	ND	0.033		mg/Kg-dry	1	5/7/2019
4-Methyl-2-pentanone	ND	0.033		mg/Kg-dry	1	5/7/2019
Methylene chloride	ND	0.016		mg/Kg-dry	1	5/7/2019
Methyl tert-butyl ether	ND	0.0082		mg/Kg-dry	1	5/7/2019
Styrene	ND	0.0082		mg/Kg-dry	1	5/7/2019
1,1,2,2-Tetrachloroethane	ND	0.0082		mg/Kg-dry	1	5/7/2019
Tetrachloroethene	ND	0.0082		mg/Kg-dry	1	5/7/2019
Toluene	ND	0.0082		mg/Kg-dry	1	5/7/2019
1,1,1-Trichloroethane	ND	0.0082		mg/Kg-dry	1	5/7/2019
1,1,2-Trichloroethane	ND	0.0082		mg/Kg-dry	1	5/7/2019
Trichloroethene	ND	0.0082		mg/Kg-dry	1	5/7/2019
Vinyl chloride	ND	0.0082		mg/Kg-dry	1	5/7/2019
Xylenes, Total	ND	0.025		mg/Kg-dry	1	5/7/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	5/2/2019

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
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E - Value above quantitation range  
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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 109

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: DM
Aniline	ND	0.42		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.41		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

**Qualifiers:**

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\* - Non-accredited parameter

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 109

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.041		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.84		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	5/1/2019

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 109

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: EN</b>
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.042		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>
Aluminum	11000	21		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.1		mg/Kg-dry	10	5/8/2019
Arsenic	7.7	1.1		mg/Kg-dry	10	5/4/2019
Barium	59	1.1		mg/Kg-dry	10	5/4/2019
Beryllium	0.73	0.53		mg/Kg-dry	10	5/4/2019
Cadmium	ND	0.53		mg/Kg-dry	10	5/4/2019
Calcium	69000	63		mg/Kg-dry	10	5/4/2019
Chromium	23	1.1		mg/Kg-dry	10	5/4/2019
Cobalt	16	1.1		mg/Kg-dry	10	5/4/2019
Copper	35	2.6		mg/Kg-dry	10	5/4/2019
Iron	23000	32		mg/Kg-dry	10	5/8/2019
Lead	17	0.53		mg/Kg-dry	10	5/4/2019
Magnesium	33000	32		mg/Kg-dry	10	5/8/2019
Manganese	500	1.1		mg/Kg-dry	10	5/4/2019
Nickel	42	1.1		mg/Kg-dry	10	5/4/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 109

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Potassium	2400	32		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/4/2019
Silver	ND	1.1		mg/Kg-dry	10	5/4/2019
Sodium	160	63		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/4/2019
Vanadium	26	1.1		mg/Kg-dry	10	5/4/2019
Zinc	55	5.3		mg/Kg-dry	10	5/4/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.54	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.037	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.6	0.010		mg/L	5	5/5/2019
Nickel	0.077	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>		<b>Prep Date: 5/6/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.022		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		<b>Prep Date: 5/5/2019</b>		<b>Analyst: MD</b>	
Cyanide	ND	0.32		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: JLV</b>	
pH	8.00			pH Units	1	5/1/2019
<b>Percent Moisture</b>	<b>D2974</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: FN</b>	

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 109

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	<b>D2974</b>				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	20.7	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 110

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.13		mg/Kg-dry	1	5/7/2019
Benzene	ND	0.0089		mg/Kg-dry	1	5/7/2019
Bromodichloromethane	ND	0.0089		mg/Kg-dry	1	5/7/2019
Bromoform	ND	0.0089		mg/Kg-dry	1	5/7/2019
Bromomethane	ND	0.018		mg/Kg-dry	1	5/7/2019
2-Butanone	ND	0.13		mg/Kg-dry	1	5/7/2019
Carbon disulfide	ND	0.089		mg/Kg-dry	1	5/7/2019
Carbon tetrachloride	ND	0.0089		mg/Kg-dry	1	5/7/2019
Chlorobenzene	ND	0.0089		mg/Kg-dry	1	5/7/2019
Chloroethane	ND	0.018		mg/Kg-dry	1	5/7/2019
Chloroform	ND	0.0089		mg/Kg-dry	1	5/7/2019
Chloromethane	ND	0.018		mg/Kg-dry	1	5/7/2019
Dibromochloromethane	ND	0.0089		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethane	ND	0.0089		mg/Kg-dry	1	5/7/2019
1,2-Dichloroethane	ND	0.0089		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethene	ND	0.0089		mg/Kg-dry	1	5/7/2019
cis-1,2-Dichloroethene	ND	0.0089		mg/Kg-dry	1	5/7/2019
trans-1,2-Dichloroethene	ND	0.0089		mg/Kg-dry	1	5/7/2019
1,2-Dichloropropane	ND	0.0089		mg/Kg-dry	1	5/7/2019
cis-1,3-Dichloropropene	ND	0.0036		mg/Kg-dry	1	5/7/2019
trans-1,3-Dichloropropene	ND	0.0036		mg/Kg-dry	1	5/7/2019
Ethylbenzene	ND	0.0089		mg/Kg-dry	1	5/7/2019
2-Hexanone	ND	0.036		mg/Kg-dry	1	5/7/2019
4-Methyl-2-pentanone	ND	0.036		mg/Kg-dry	1	5/7/2019
Methylene chloride	ND	0.018		mg/Kg-dry	1	5/7/2019
Methyl tert-butyl ether	ND	0.0089		mg/Kg-dry	1	5/7/2019
Styrene	ND	0.0089		mg/Kg-dry	1	5/7/2019
1,1,2,2-Tetrachloroethane	ND	0.0089		mg/Kg-dry	1	5/7/2019
Tetrachloroethene	ND	0.0089		mg/Kg-dry	1	5/7/2019
Toluene	ND	0.0089		mg/Kg-dry	1	5/7/2019
1,1,1-Trichloroethane	ND	0.0089		mg/Kg-dry	1	5/7/2019
1,1,2-Trichloroethane	ND	0.0089		mg/Kg-dry	1	5/7/2019
Trichloroethene	ND	0.0089		mg/Kg-dry	1	5/7/2019
Vinyl chloride	ND	0.0089		mg/Kg-dry	1	5/7/2019
Xylenes, Total	ND	0.027		mg/Kg-dry	1	5/7/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 110

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
		<b>SW8270C (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Aniline	ND	0.40		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.40		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 110

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.040		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.80		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.096		mg/Kg-dry	1	5/1/2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 110

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: EN</b>
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.019		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>
Aluminum	13000	21		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.1		mg/Kg-dry	10	5/8/2019
Arsenic	7.1	1.0		mg/Kg-dry	10	5/4/2019
Barium	110	1.0		mg/Kg-dry	10	5/4/2019
Beryllium	0.95	0.52		mg/Kg-dry	10	5/4/2019
Cadmium	ND	0.52		mg/Kg-dry	10	5/4/2019
Calcium	64000	62		mg/Kg-dry	10	5/4/2019
Chromium	30	1.0		mg/Kg-dry	10	5/4/2019
Cobalt	16	1.0		mg/Kg-dry	10	5/4/2019
Copper	40	2.6		mg/Kg-dry	10	5/4/2019
Iron	26000	31		mg/Kg-dry	10	5/8/2019
Lead	18	0.52		mg/Kg-dry	10	5/4/2019
Magnesium	27000	31		mg/Kg-dry	10	5/8/2019
Manganese	550	1.0		mg/Kg-dry	10	5/4/2019
Nickel	48	1.0		mg/Kg-dry	10	5/4/2019

**Qualifiers:**

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 110

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS**

SW6020A (SW3050B)

Prep Date: 5/3/2019

Analyst: MDT

Potassium	3200	31		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.0		mg/Kg-dry	10	5/4/2019
Silver	ND	1.0		mg/Kg-dry	10	5/4/2019
Sodium	160	62		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.0		mg/Kg-dry	10	5/4/2019
Vanadium	29	1.0		mg/Kg-dry	10	5/4/2019
Zinc	61	5.2		mg/Kg-dry	10	5/4/2019

**TCLP Metals by ICP/MS**

SW1311/6020A (SW3005A)

Prep Date: 5/3/2019

Analyst: MDT

Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.44	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.020	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.0	0.010		mg/L	5	5/5/2019
Nickel	0.053	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019

**TCLP Mercury**

SW1311/7470A

Prep Date: 5/3/2019

Analyst: LB

Mercury	ND	0.00020		mg/L	1	5/3/2019
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**Mercury**

SW7471B

Prep Date: 5/6/2019

Analyst: LB

Mercury	ND	0.022		mg/Kg-dry	1	5/6/2019
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**Cyanide, Total**

SW9012A

Prep Date: 5/5/2019

Analyst: MD

Cyanide	ND	0.30		mg/Kg-dry	1	5/5/2019
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**pH (25 °C)**

SW9045C

Prep Date: 5/1/2019

Analyst: JLV

pH	8.08			pH Units	1	5/1/2019
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**Percent Moisture**

D2974

Prep Date: 5/1/2019

Analyst: FN

**Qualifiers:**

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E - Value above quantitation range

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 110

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 8:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	17.6	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 111

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.092		mg/Kg-dry	1	5/7/2019
Benzene	ND	0.0061		mg/Kg-dry	1	5/7/2019
Bromodichloromethane	ND	0.0061		mg/Kg-dry	1	5/7/2019
Bromoform	ND	0.0061		mg/Kg-dry	1	5/7/2019
Bromomethane	ND	0.012		mg/Kg-dry	1	5/7/2019
2-Butanone	ND	0.092		mg/Kg-dry	1	5/7/2019
Carbon disulfide	ND	0.061		mg/Kg-dry	1	5/7/2019
Carbon tetrachloride	ND	0.0061		mg/Kg-dry	1	5/7/2019
Chlorobenzene	ND	0.0061		mg/Kg-dry	1	5/7/2019
Chloroethane	ND	0.012		mg/Kg-dry	1	5/7/2019
Chloroform	ND	0.0061		mg/Kg-dry	1	5/7/2019
Chloromethane	ND	0.012		mg/Kg-dry	1	5/7/2019
Dibromochloromethane	ND	0.0061		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethane	ND	0.0061		mg/Kg-dry	1	5/7/2019
1,2-Dichloroethane	ND	0.0061		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethene	ND	0.0061		mg/Kg-dry	1	5/7/2019
cis-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	5/7/2019
trans-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	5/7/2019
1,2-Dichloropropane	ND	0.0061		mg/Kg-dry	1	5/7/2019
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	5/7/2019
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	5/7/2019
Ethylbenzene	ND	0.0061		mg/Kg-dry	1	5/7/2019
2-Hexanone	ND	0.024		mg/Kg-dry	1	5/7/2019
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	5/7/2019
Methylene chloride	ND	0.012		mg/Kg-dry	1	5/7/2019
Methyl tert-butyl ether	ND	0.0061		mg/Kg-dry	1	5/7/2019
Styrene	ND	0.0061		mg/Kg-dry	1	5/7/2019
1,1,2,2-Tetrachloroethane	ND	0.0061		mg/Kg-dry	1	5/7/2019
Tetrachloroethene	ND	0.0061		mg/Kg-dry	1	5/7/2019
Toluene	ND	0.0061		mg/Kg-dry	1	5/7/2019
1,1,1-Trichloroethane	ND	0.0061		mg/Kg-dry	1	5/7/2019
1,1,2-Trichloroethane	ND	0.0061		mg/Kg-dry	1	5/7/2019
Trichloroethene	ND	0.0061		mg/Kg-dry	1	5/7/2019
Vinyl chloride	ND	0.0061		mg/Kg-dry	1	5/7/2019
Xylenes, Total	ND	0.018		mg/Kg-dry	1	5/7/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 111

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: DM
Aniline	ND	0.41		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.41		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

Qualifiers: ND - Not Detected at the Reporting Limit  
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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 111

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.041		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.82		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.099		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.099		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 111

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: EN
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 5/3/2019		Analyst: MDT
Aluminum	14000	23		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.3		mg/Kg-dry	10	5/8/2019
Arsenic	9.0	1.1		mg/Kg-dry	10	5/4/2019
Barium	94	1.1		mg/Kg-dry	10	5/4/2019
Beryllium	0.99	0.57		mg/Kg-dry	10	5/4/2019
Cadmium	ND	0.57		mg/Kg-dry	10	5/4/2019
Calcium	83000	68		mg/Kg-dry	10	5/4/2019
Chromium	34	1.1		mg/Kg-dry	10	5/4/2019
Cobalt	19	1.1		mg/Kg-dry	10	5/4/2019
Copper	27	2.8		mg/Kg-dry	10	5/4/2019
Iron	23000	34		mg/Kg-dry	10	5/8/2019
Lead	16	0.57		mg/Kg-dry	10	5/4/2019
Magnesium	31000	34		mg/Kg-dry	10	5/8/2019
Manganese	600	1.1		mg/Kg-dry	10	5/4/2019
Nickel	51	1.1		mg/Kg-dry	10	5/4/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 111

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Potassium	3600	34		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/4/2019
Silver	ND	1.1		mg/Kg-dry	10	5/4/2019
Sodium	170	68		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/4/2019
Vanadium	33	1.1		mg/Kg-dry	10	5/4/2019
Zinc	64	5.7		mg/Kg-dry	10	5/4/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.34	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.023	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.7	0.010		mg/L	5	5/5/2019
Nickel	0.055	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>		<b>Prep Date: 5/6/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.022		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		<b>Prep Date: 5/5/2019</b>		<b>Analyst: MD</b>	
Cyanide	ND	0.31		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: JLV</b>	
pH	7.93			pH Units	1	5/1/2019
<b>Percent Moisture</b>	<b>D2974</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: FN</b>	

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 111

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	19.9	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 112

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.10		mg/Kg-dry	1	5/7/2019
Benzene	ND	0.0066		mg/Kg-dry	1	5/7/2019
Bromodichloromethane	ND	0.0066		mg/Kg-dry	1	5/7/2019
Bromoform	ND	0.0066		mg/Kg-dry	1	5/7/2019
Bromomethane	ND	0.013		mg/Kg-dry	1	5/7/2019
2-Butanone	ND	0.10		mg/Kg-dry	1	5/7/2019
Carbon disulfide	ND	0.066		mg/Kg-dry	1	5/7/2019
Carbon tetrachloride	ND	0.0066		mg/Kg-dry	1	5/7/2019
Chlorobenzene	ND	0.0066		mg/Kg-dry	1	5/7/2019
Chloroethane	ND	0.013		mg/Kg-dry	1	5/7/2019
Chloroform	ND	0.0066		mg/Kg-dry	1	5/7/2019
Chloromethane	ND	0.013		mg/Kg-dry	1	5/7/2019
Dibromochloromethane	ND	0.0066		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethane	ND	0.0066		mg/Kg-dry	1	5/7/2019
1,2-Dichloroethane	ND	0.0066		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethene	ND	0.0066		mg/Kg-dry	1	5/7/2019
cis-1,2-Dichloroethene	ND	0.0066		mg/Kg-dry	1	5/7/2019
trans-1,2-Dichloroethene	ND	0.0066		mg/Kg-dry	1	5/7/2019
1,2-Dichloropropane	ND	0.0066		mg/Kg-dry	1	5/7/2019
cis-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	5/7/2019
trans-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	5/7/2019
Ethylbenzene	ND	0.0066		mg/Kg-dry	1	5/7/2019
2-Hexanone	ND	0.027		mg/Kg-dry	1	5/7/2019
4-Methyl-2-pentanone	ND	0.027		mg/Kg-dry	1	5/7/2019
Methylene chloride	ND	0.013		mg/Kg-dry	1	5/7/2019
Methyl tert-butyl ether	ND	0.0066		mg/Kg-dry	1	5/7/2019
Styrene	ND	0.0066		mg/Kg-dry	1	5/7/2019
1,1,2,2-Tetrachloroethane	ND	0.0066		mg/Kg-dry	1	5/7/2019
Tetrachloroethene	ND	0.0066		mg/Kg-dry	1	5/7/2019
Toluene	ND	0.0066		mg/Kg-dry	1	5/7/2019
1,1,1-Trichloroethane	ND	0.0066		mg/Kg-dry	1	5/7/2019
1,1,2-Trichloroethane	ND	0.0066		mg/Kg-dry	1	5/7/2019
Trichloroethene	ND	0.0066		mg/Kg-dry	1	5/7/2019
Vinyl chloride	ND	0.0066		mg/Kg-dry	1	5/7/2019
Xylenes, Total	ND	0.020		mg/Kg-dry	1	5/7/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.041		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 112

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>					
					Prep Date: 5/1/2019	Analyst: DM
Aniline	ND	0.42		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.41		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 112

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.041		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.041		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.041		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.041		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.84		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.10		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.10		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 112

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: EN
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.041		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 5/3/2019		Analyst: MDT
Aluminum	13000	22		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.2		mg/Kg-dry	10	5/8/2019
Arsenic	5.3	1.1		mg/Kg-dry	10	5/4/2019
Barium	73	1.1		mg/Kg-dry	10	5/4/2019
Beryllium	0.78	0.55		mg/Kg-dry	10	5/4/2019
Cadmium	ND	0.55		mg/Kg-dry	10	5/4/2019
Calcium	69000	66		mg/Kg-dry	10	5/4/2019
Chromium	27	1.1		mg/Kg-dry	10	5/4/2019
Cobalt	16	1.1		mg/Kg-dry	10	5/4/2019
Copper	29	2.8		mg/Kg-dry	10	5/4/2019
Iron	23000	33		mg/Kg-dry	10	5/8/2019
Lead	14	0.55		mg/Kg-dry	10	5/4/2019
Magnesium	32000	33		mg/Kg-dry	10	5/8/2019
Manganese	550	1.1		mg/Kg-dry	10	5/4/2019
Nickel	40	1.1		mg/Kg-dry	10	5/4/2019

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 112

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 5/3/2019		Analyst: MDT	
Potassium	3100	33		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/4/2019
Silver	ND	1.1		mg/Kg-dry	10	5/4/2019
Sodium	160	66		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/4/2019
Vanadium	27	1.1		mg/Kg-dry	10	5/4/2019
Zinc	55	5.5		mg/Kg-dry	10	5/4/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 5/3/2019		Analyst: MDT	
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.59	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.039	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	4.1	0.010		mg/L	5	5/5/2019
Nickel	0.082	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 5/3/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 5/6/2019		Analyst: LB	
Mercury	ND	0.022		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 5/5/2019		Analyst: MD	
Cyanide	ND	0.32		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 5/1/2019		Analyst: JLV	
pH	8.00			pH Units	1	5/1/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 5/1/2019		Analyst: FN	

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 112

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 9:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	20.9	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 113

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.22		mg/Kg-dry	1	5/7/2019
Benzene	ND	0.014		mg/Kg-dry	1	5/7/2019
Bromodichloromethane	ND	0.014		mg/Kg-dry	1	5/7/2019
Bromoform	ND	0.014		mg/Kg-dry	1	5/7/2019
Bromomethane	ND	0.029		mg/Kg-dry	1	5/7/2019
2-Butanone	ND	0.22		mg/Kg-dry	1	5/7/2019
Carbon disulfide	ND	0.14		mg/Kg-dry	1	5/7/2019
Carbon tetrachloride	ND	0.014		mg/Kg-dry	1	5/7/2019
Chlorobenzene	ND	0.014		mg/Kg-dry	1	5/7/2019
Chloroethane	ND	0.029		mg/Kg-dry	1	5/7/2019
Chloroform	ND	0.014		mg/Kg-dry	1	5/7/2019
Chloromethane	ND	0.029		mg/Kg-dry	1	5/7/2019
Dibromochloromethane	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
1,2-Dichloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
cis-1,2-Dichloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
trans-1,2-Dichloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
1,2-Dichloropropane	ND	0.014		mg/Kg-dry	1	5/7/2019
cis-1,3-Dichloropropene	ND	0.0058		mg/Kg-dry	1	5/7/2019
trans-1,3-Dichloropropene	ND	0.0058		mg/Kg-dry	1	5/7/2019
Ethylbenzene	ND	0.014		mg/Kg-dry	1	5/7/2019
2-Hexanone	ND	0.058		mg/Kg-dry	1	5/7/2019
4-Methyl-2-pentanone	ND	0.058		mg/Kg-dry	1	5/7/2019
Methylene chloride	ND	0.029		mg/Kg-dry	1	5/7/2019
Methyl tert-butyl ether	ND	0.014		mg/Kg-dry	1	5/7/2019
Styrene	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1,2,2-Tetrachloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
Tetrachloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
Toluene	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1,1-Trichloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1,2-Trichloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
Trichloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
Vinyl chloride	ND	0.014		mg/Kg-dry	1	5/7/2019
Xylenes, Total	ND	0.043		mg/Kg-dry	1	5/7/2019
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 113

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: 5/1/2019	Analyst: DM
Aniline	ND	0.40		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.40		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 113

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.040		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.81		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.098		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.098		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 113

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>	<b>SW8081B (SW3550B)</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: EN</b>	
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.020		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0020		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0020		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Aluminum	13000	21		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.1		mg/Kg-dry	10	5/8/2019
Arsenic	8.7	1.0		mg/Kg-dry	10	5/4/2019
Barium	90	1.0		mg/Kg-dry	10	5/4/2019
Beryllium	0.93	0.51		mg/Kg-dry	10	5/4/2019
Cadmium	ND	0.51		mg/Kg-dry	10	5/4/2019
Calcium	80000	62		mg/Kg-dry	10	5/4/2019
Chromium	31	1.0		mg/Kg-dry	10	5/4/2019
Cobalt	15	1.0		mg/Kg-dry	10	5/4/2019
Copper	28	2.6		mg/Kg-dry	10	5/4/2019
Iron	23000	31		mg/Kg-dry	10	5/8/2019
Lead	15	0.51		mg/Kg-dry	10	5/4/2019
Magnesium	30000	31		mg/Kg-dry	10	5/8/2019
Manganese	580	1.0		mg/Kg-dry	10	5/4/2019
Nickel	44	1.0		mg/Kg-dry	10	5/4/2019

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Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 113

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: 5/3/2019		Analyst: MDT	
Potassium	3100	31		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.0		mg/Kg-dry	10	5/4/2019
Silver	ND	1.0		mg/Kg-dry	10	5/4/2019
Sodium	170	62		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.0		mg/Kg-dry	10	5/4/2019
Vanadium	31	1.0		mg/Kg-dry	10	5/4/2019
Zinc	60	5.1		mg/Kg-dry	10	5/4/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 5/3/2019		Analyst: MDT	
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.41	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.020	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.6	0.010		mg/L	5	5/5/2019
Nickel	0.063	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 5/3/2019		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 5/6/2019		Analyst: LB	
Mercury	ND	0.022		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		Prep Date: 5/5/2019		Analyst: MD	
Cyanide	ND	0.31		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 5/1/2019		Analyst: JLV	
pH	8.00			pH Units	1	5/1/2019
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 5/1/2019		Analyst: FN	

Qualifiers:

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R - RPD outside accepted recovery limits

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 113

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	18.6	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 114

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.095		mg/Kg-dry	1	5/7/2019
Benzene	ND	0.0064		mg/Kg-dry	1	5/7/2019
Bromodichloromethane	ND	0.0064		mg/Kg-dry	1	5/7/2019
Bromoform	ND	0.0064		mg/Kg-dry	1	5/7/2019
Bromomethane	ND	0.013		mg/Kg-dry	1	5/7/2019
2-Butanone	ND	0.095		mg/Kg-dry	1	5/7/2019
Carbon disulfide	ND	0.064		mg/Kg-dry	1	5/7/2019
Carbon tetrachloride	ND	0.0064		mg/Kg-dry	1	5/7/2019
Chlorobenzene	ND	0.0064		mg/Kg-dry	1	5/7/2019
Chloroethane	ND	0.013		mg/Kg-dry	1	5/7/2019
Chloroform	ND	0.0064		mg/Kg-dry	1	5/7/2019
Chloromethane	ND	0.013		mg/Kg-dry	1	5/7/2019
Dibromochloromethane	ND	0.0064		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethane	ND	0.0064		mg/Kg-dry	1	5/7/2019
1,2-Dichloroethane	ND	0.0064		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethene	ND	0.0064		mg/Kg-dry	1	5/7/2019
cis-1,2-Dichloroethene	ND	0.0064		mg/Kg-dry	1	5/7/2019
trans-1,2-Dichloroethene	ND	0.0064		mg/Kg-dry	1	5/7/2019
1,2-Dichloropropane	ND	0.0064		mg/Kg-dry	1	5/7/2019
cis-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	5/7/2019
trans-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	5/7/2019
Ethylbenzene	ND	0.0064		mg/Kg-dry	1	5/7/2019
2-Hexanone	ND	0.025		mg/Kg-dry	1	5/7/2019
4-Methyl-2-pentanone	ND	0.025		mg/Kg-dry	1	5/7/2019
Methylene chloride	ND	0.013		mg/Kg-dry	1	5/7/2019
Methyl tert-butyl ether	ND	0.0064		mg/Kg-dry	1	5/7/2019
Styrene	ND	0.0064		mg/Kg-dry	1	5/7/2019
1,1,2,2-Tetrachloroethane	ND	0.0064		mg/Kg-dry	1	5/7/2019
Tetrachloroethene	ND	0.0064		mg/Kg-dry	1	5/7/2019
Toluene	ND	0.0064		mg/Kg-dry	1	5/7/2019
1,1,1-Trichloroethane	ND	0.0064		mg/Kg-dry	1	5/7/2019
1,1,2-Trichloroethane	ND	0.0064		mg/Kg-dry	1	5/7/2019
Trichloroethene	ND	0.0064		mg/Kg-dry	1	5/7/2019
Vinyl chloride	ND	0.0064		mg/Kg-dry	1	5/7/2019
Xylenes, Total	ND	0.019		mg/Kg-dry	1	5/7/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.040		mg/Kg-dry	1	5/2/2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 114

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: DM
Aniline	ND	0.40		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.40		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	1.0		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.21		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 114

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.040		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.040		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.21		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.040		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.21		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.040		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.81		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.096		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.096		mg/Kg-dry	1	5/1/2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 114

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: EN
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.019		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.040		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 5/3/2019		Analyst: MDT
Aluminum	13000	20		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.0		mg/Kg-dry	10	5/8/2019
Arsenic	11	1.0		mg/Kg-dry	10	5/4/2019
Barium	89	1.0		mg/Kg-dry	10	5/4/2019
Beryllium	0.94	0.50		mg/Kg-dry	10	5/4/2019
Cadmium	ND	0.50		mg/Kg-dry	10	5/4/2019
Calcium	77000	61		mg/Kg-dry	10	5/4/2019
Chromium	31	1.0		mg/Kg-dry	10	5/4/2019
Cobalt	19	1.0		mg/Kg-dry	10	5/4/2019
Copper	31	2.5		mg/Kg-dry	10	5/4/2019
Iron	23000	30		mg/Kg-dry	10	5/8/2019
Lead	16	0.50		mg/Kg-dry	10	5/4/2019
Magnesium	31000	30		mg/Kg-dry	10	5/8/2019
Manganese	580	1.0		mg/Kg-dry	10	5/4/2019
Nickel	47	1.0		mg/Kg-dry	10	5/4/2019

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Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Potassium	3500	30		mg/Kg-dry	10	5/8/2019
Selenium	ND	1.0		mg/Kg-dry	10	5/4/2019
Silver	ND	1.0		mg/Kg-dry	10	5/4/2019
Sodium	170	61		mg/Kg-dry	10	5/8/2019
Thallium	ND	1.0		mg/Kg-dry	10	5/4/2019
Vanadium	31	1.0		mg/Kg-dry	10	5/4/2019
Zinc	61	5.0		mg/Kg-dry	10	5/4/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: MDT</b>	
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.50	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.034	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.8	0.010		mg/L	5	5/5/2019
Nickel	0.075	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		<b>Prep Date: 5/3/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>		<b>Prep Date: 5/6/2019</b>		<b>Analyst: LB</b>	
Mercury	ND	0.020		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>		<b>Prep Date: 5/5/2019</b>		<b>Analyst: MD</b>	
Cyanide	ND	0.30		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: JLV</b>	
pH	8.03			pH Units	1	5/1/2019
<b>Percent Moisture</b>	<b>D2974</b>		<b>Prep Date: 5/1/2019</b>		<b>Analyst: FN</b>	

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 114

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 10:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	17.4	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 115

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			<b>Prep Date: 4/30/2019</b>		<b>Analyst: AET</b>
Acetone	ND	0.21		mg/Kg-dry	1	5/7/2019
Benzene	ND	0.014		mg/Kg-dry	1	5/7/2019
Bromodichloromethane	ND	0.014		mg/Kg-dry	1	5/7/2019
Bromoform	ND	0.014		mg/Kg-dry	1	5/7/2019
Bromomethane	ND	0.028		mg/Kg-dry	1	5/7/2019
2-Butanone	ND	0.21		mg/Kg-dry	1	5/7/2019
Carbon disulfide	ND	0.14		mg/Kg-dry	1	5/7/2019
Carbon tetrachloride	ND	0.014		mg/Kg-dry	1	5/7/2019
Chlorobenzene	ND	0.014		mg/Kg-dry	1	5/7/2019
Chloroethane	ND	0.028		mg/Kg-dry	1	5/7/2019
Chloroform	ND	0.014		mg/Kg-dry	1	5/7/2019
Chloromethane	ND	0.028		mg/Kg-dry	1	5/7/2019
Dibromochloromethane	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
1,2-Dichloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
cis-1,2-Dichloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
trans-1,2-Dichloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
1,2-Dichloropropane	ND	0.014		mg/Kg-dry	1	5/7/2019
cis-1,3-Dichloropropene	ND	0.0055		mg/Kg-dry	1	5/7/2019
trans-1,3-Dichloropropene	ND	0.0055		mg/Kg-dry	1	5/7/2019
Ethylbenzene	ND	0.014		mg/Kg-dry	1	5/7/2019
2-Hexanone	ND	0.055		mg/Kg-dry	1	5/7/2019
4-Methyl-2-pentanone	ND	0.055		mg/Kg-dry	1	5/7/2019
Methylene chloride	ND	0.028		mg/Kg-dry	1	5/7/2019
Methyl tert-butyl ether	ND	0.014		mg/Kg-dry	1	5/7/2019
Styrene	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1,2,2-Tetrachloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
Tetrachloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
Toluene	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1,1-Trichloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
1,1,2-Trichloroethane	ND	0.014		mg/Kg-dry	1	5/7/2019
Trichloroethene	ND	0.014		mg/Kg-dry	1	5/7/2019
Vinyl chloride	ND	0.014		mg/Kg-dry	1	5/7/2019
Xylenes, Total	ND	0.041		mg/Kg-dry	1	5/7/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			<b>Prep Date: 5/1/2019</b>		<b>Analyst: DM</b>
Acenaphthene	ND	0.039		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.039		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 115

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: 5/1/2019	Analyst: DM
Aniline	ND	0.39		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzidine	ND	0.39		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	0.97		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.039		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 115

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.039		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.039		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.039		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.039		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.039		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.039		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.78		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.093		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.093		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.093		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.093		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.093		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.093		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.093		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 115

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: EN
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.019		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.038		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 5/3/2019		Analyst: MDT
Aluminum	12000	21		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.1		mg/Kg-dry	10	5/8/2019
Arsenic	7.7	1.1		mg/Kg-dry	10	5/4/2019
Barium	110	1.1		mg/Kg-dry	10	5/4/2019
Beryllium	0.93	0.53		mg/Kg-dry	10	5/4/2019
Cadmium	ND	0.53		mg/Kg-dry	10	5/4/2019
Calcium	87000	63		mg/Kg-dry	10	5/4/2019
Chromium	29	1.1		mg/Kg-dry	10	5/4/2019
Cobalt	14	1.1		mg/Kg-dry	10	5/4/2019
Copper	36	2.6		mg/Kg-dry	10	5/4/2019
Iron	33000	32		mg/Kg-dry	10	5/4/2019
Lead	17	0.53		mg/Kg-dry	10	5/4/2019
Magnesium	35000	32		mg/Kg-dry	10	5/8/2019
Manganese	620	1.1		mg/Kg-dry	10	5/4/2019
Nickel	42	1.1		mg/Kg-dry	10	5/4/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 115

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 5/3/2019	Analyst: MDT
Potassium	3700	32		mg/Kg-dry	10	5/4/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/4/2019
Silver	ND	1.1		mg/Kg-dry	10	5/4/2019
Sodium	220	63		mg/Kg-dry	10	5/4/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/4/2019
Vanadium	31	1.1		mg/Kg-dry	10	5/4/2019
Zinc	61	5.3		mg/Kg-dry	10	5/4/2019
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>				Prep Date: 5/3/2019	Analyst: MDT
Aluminum	ND	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.38	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.029	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.5	0.010		mg/L	5	5/5/2019
Nickel	0.079	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>				Prep Date: 5/3/2019	Analyst: LB
Mercury	ND	0.00020		mg/L	1	5/3/2019
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 5/6/2019	Analyst: LB
Mercury	ND	0.018		mg/Kg-dry	1	5/6/2019
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 5/5/2019	Analyst: MD
Cyanide	ND	0.30		mg/Kg-dry	1	5/5/2019
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 5/1/2019	Analyst: JLV
pH	7.70			pH Units	1	5/1/2019
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 5/1/2019	Analyst: FN

Qualifiers:

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 115

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:00:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	<b>D2974</b>				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	15.6	0.2	*	wt%	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 116

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>						
	<b>SW5035/8260B</b>			Prep Date: 4/30/2019		Analyst: AET
Acetone	ND	0.11		mg/Kg-dry	1	5/7/2019
Benzene	ND	0.0073		mg/Kg-dry	1	5/7/2019
Bromodichloromethane	ND	0.0073		mg/Kg-dry	1	5/7/2019
Bromoform	ND	0.0073		mg/Kg-dry	1	5/7/2019
Bromomethane	ND	0.015		mg/Kg-dry	1	5/7/2019
2-Butanone	ND	0.11		mg/Kg-dry	1	5/7/2019
Carbon disulfide	ND	0.073		mg/Kg-dry	1	5/7/2019
Carbon tetrachloride	ND	0.0073		mg/Kg-dry	1	5/7/2019
Chlorobenzene	ND	0.0073		mg/Kg-dry	1	5/7/2019
Chloroethane	ND	0.015		mg/Kg-dry	1	5/7/2019
Chloroform	ND	0.0073		mg/Kg-dry	1	5/7/2019
Chloromethane	ND	0.015		mg/Kg-dry	1	5/7/2019
Dibromochloromethane	ND	0.0073		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethane	ND	0.0073		mg/Kg-dry	1	5/7/2019
1,2-Dichloroethane	ND	0.0073		mg/Kg-dry	1	5/7/2019
1,1-Dichloroethene	ND	0.0073		mg/Kg-dry	1	5/7/2019
cis-1,2-Dichloroethene	ND	0.0073		mg/Kg-dry	1	5/7/2019
trans-1,2-Dichloroethene	ND	0.0073		mg/Kg-dry	1	5/7/2019
1,2-Dichloropropane	ND	0.0073		mg/Kg-dry	1	5/7/2019
cis-1,3-Dichloropropene	ND	0.0029		mg/Kg-dry	1	5/7/2019
trans-1,3-Dichloropropene	ND	0.0029		mg/Kg-dry	1	5/7/2019
Ethylbenzene	ND	0.0073		mg/Kg-dry	1	5/7/2019
2-Hexanone	ND	0.029		mg/Kg-dry	1	5/7/2019
4-Methyl-2-pentanone	ND	0.029		mg/Kg-dry	1	5/7/2019
Methylene chloride	ND	0.015		mg/Kg-dry	1	5/7/2019
Methyl tert-butyl ether	ND	0.0073		mg/Kg-dry	1	5/7/2019
Styrene	ND	0.0073		mg/Kg-dry	1	5/7/2019
1,1,2,2-Tetrachloroethane	ND	0.0073		mg/Kg-dry	1	5/7/2019
Tetrachloroethene	ND	0.0073		mg/Kg-dry	1	5/7/2019
Toluene	ND	0.0073		mg/Kg-dry	1	5/7/2019
1,1,1-Trichloroethane	ND	0.0073		mg/Kg-dry	1	5/7/2019
1,1,2-Trichloroethane	ND	0.0073		mg/Kg-dry	1	5/7/2019
Trichloroethene	ND	0.0073		mg/Kg-dry	1	5/7/2019
Vinyl chloride	ND	0.0073		mg/Kg-dry	1	5/7/2019
Xylenes, Total	ND	0.022		mg/Kg-dry	1	5/7/2019
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	5/2/2019
Acenaphthylene	ND	0.039		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 116

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 5/1/2019		Analyst: DM
Aniline	ND	0.39		mg/Kg-dry	1	5/2/2019
Anthracene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzdine	ND	0.39		mg/Kg-dry	1	5/2/2019
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	5/2/2019
Benzoic acid	ND	0.97		mg/Kg-dry	1	5/2/2019
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	5/2/2019
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	5/2/2019
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	5/2/2019
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	5/2/2019
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
Carbazole	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	5/2/2019
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	5/2/2019
Chrysene	ND	0.039		mg/Kg-dry	1	5/2/2019
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	5/2/2019
Dibenzofuran	ND	0.20		mg/Kg-dry	1	5/2/2019
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	5/2/2019
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	5/2/2019
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	5/2/2019
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	5/2/2019
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	5/2/2019

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Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 116

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: DM</b>
Fluoranthene	ND	0.039		mg/Kg-dry	1	5/2/2019
Fluorene	ND	0.039		mg/Kg-dry	1	5/2/2019
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	5/2/2019
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	5/2/2019
Hexachloroethane	ND	0.20		mg/Kg-dry	1	5/2/2019
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	5/2/2019
Isophorone	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Methylphenol	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Methylphenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Naphthalene	ND	0.039		mg/Kg-dry	1	5/2/2019
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	5/2/2019
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	5/2/2019
Nitrobenzene	ND	0.039		mg/Kg-dry	1	5/2/2019
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	5/2/2019
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	5/2/2019
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	5/2/2019
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	5/2/2019
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	5/2/2019
Phenanthrene	ND	0.039		mg/Kg-dry	1	5/2/2019
Phenol	ND	0.20		mg/Kg-dry	1	5/2/2019
Pyrene	ND	0.039		mg/Kg-dry	1	5/2/2019
Pyridine	ND	0.79		mg/Kg-dry	1	5/2/2019
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	5/2/2019
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				<b>Prep Date: 5/1/2019</b>	<b>Analyst: EN</b>
Aroclor 1016	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1221	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1232	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1242	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1248	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1254	ND	0.095		mg/Kg-dry	1	5/1/2019
Aroclor 1260	ND	0.095		mg/Kg-dry	1	5/1/2019

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Date Reported: May 09, 2019

Date Printed: May 09, 2019

**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 116

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 5/1/2019		Analyst: EN
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	5/1/2019
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	5/1/2019
Aldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
beta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Chlordane	ND	0.019		mg/Kg-dry	1	5/1/2019
delta-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
Dieldrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan I	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan II	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	5/1/2019
Endrin ketone	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-BHC	ND	0.0019		mg/Kg-dry	1	5/1/2019
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	5/1/2019
Methoxychlor	ND	0.0019		mg/Kg-dry	1	5/1/2019
Toxaphene	ND	0.039		mg/Kg-dry	1	5/1/2019
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 5/3/2019		Analyst: MDT
Aluminum	11000	21		mg/Kg-dry	10	5/8/2019
Antimony	ND	2.1		mg/Kg-dry	10	5/8/2019
Arsenic	11	1.1		mg/Kg-dry	10	5/4/2019
Barium	93	1.1		mg/Kg-dry	10	5/4/2019
Beryllium	0.91	0.53		mg/Kg-dry	10	5/4/2019
Cadmium	ND	0.53		mg/Kg-dry	10	5/4/2019
Calcium	78000	64		mg/Kg-dry	10	5/4/2019
Chromium	29	1.1		mg/Kg-dry	10	5/4/2019
Cobalt	17	1.1		mg/Kg-dry	10	5/4/2019
Copper	38	2.7		mg/Kg-dry	10	5/4/2019
Iron	29000	32		mg/Kg-dry	10	5/4/2019
Lead	18	0.53		mg/Kg-dry	10	5/4/2019
Magnesium	29000	32		mg/Kg-dry	10	5/8/2019
Manganese	600	1.1		mg/Kg-dry	10	5/4/2019
Nickel	44	1.1		mg/Kg-dry	10	5/4/2019

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Date Reported: May 09, 2019

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**ANALYTICAL RESULTS**

Client: Environmental Group Services, Ltd.

Client Sample ID: 116

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS**

SW6020A (SW3050B)

Prep Date: 5/3/2019

Analyst: MDT

Potassium	3800	32		mg/Kg-dry	10	5/4/2019
Selenium	ND	1.1		mg/Kg-dry	10	5/4/2019
Silver	ND	1.1		mg/Kg-dry	10	5/4/2019
Sodium	230	64		mg/Kg-dry	10	5/4/2019
Thallium	ND	1.1		mg/Kg-dry	10	5/4/2019
Vanadium	29	1.1		mg/Kg-dry	10	5/4/2019
Zinc	66	5.3		mg/Kg-dry	10	5/4/2019

**TCLP Metals by ICP/MS**

SW1311/6020A (SW3005A)

Prep Date: 5/3/2019

Analyst: MDT

Aluminum	0.12	0.10		mg/L	5	5/8/2019
Antimony	ND	0.015		mg/L	5	5/8/2019
Arsenic	ND	0.010		mg/L	5	5/5/2019
Barium	0.31	0.050		mg/L	5	5/5/2019
Beryllium	ND	0.0050		mg/L	5	5/5/2019
Cadmium	ND	0.0050		mg/L	5	5/5/2019
Chromium	ND	0.010		mg/L	5	5/5/2019
Cobalt	0.028	0.010		mg/L	5	5/5/2019
Copper	ND	0.10		mg/L	5	5/5/2019
Iron	ND	0.25		mg/L	5	5/5/2019
Lead	ND	0.0050		mg/L	5	5/5/2019
Manganese	3.6	0.010		mg/L	5	5/5/2019
Nickel	0.060	0.020		mg/L	5	5/5/2019
Selenium	ND	0.010		mg/L	5	5/5/2019
Silver	ND	0.010		mg/L	5	5/5/2019
Thallium	ND	0.0050		mg/L	5	5/5/2019
Vanadium	ND	0.010		mg/L	5	5/5/2019
Zinc	ND	0.050		mg/L	5	5/5/2019

**TCLP Mercury**

SW1311/7470A

Prep Date: 5/3/2019

Analyst: LB

Mercury	ND	0.00020		mg/L	1	5/3/2019
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**Mercury**

SW7471B

Prep Date: 5/6/2019

Analyst: LB

Mercury	ND	0.021		mg/Kg-dry	1	5/6/2019
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**Cyanide, Total**

SW9012A

Prep Date: 5/5/2019

Analyst: MD

Cyanide	ND	0.30		mg/Kg-dry	1	5/5/2019
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**pH (25 °C)**

SW9045C

Prep Date: 5/1/2019

Analyst: JLV

pH	7.86			pH Units	1	5/1/2019
----	------	--	--	----------	---	----------

**Percent Moisture**

D2974

Prep Date: 5/1/2019

Analyst: FN

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: May 09, 2019

**ANALYTICAL RESULTS**

Date Printed: May 09, 2019

Client: Environmental Group Services, Ltd.

Client Sample ID: 116

Work Order: 19041193 Revision 0

Collection Date: 4/30/2019 11:30:00 AM

Project: Franklin (EB-2)

Matrix: Soil

Lab ID: 19041193-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	<b>D2974</b>				Prep Date: 5/1/2019	Analyst: FN
Percent Moisture	16.5	0.2	*	wt%	1	5/2/2019

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

## CHAIN OF CUSTODY RECORD

[illegible]

## Sample Receipt Checklist

 Client Name **EGSL**

 Date and Time Received: **4/30/2019 4:32:00 PM**

 Work Order Number **19041193**

 Received by: **EAA**

Checklist completed by:

Signature

Date

Reviewed by:

Initials

Date

Matrix:

 Carrier name **STAT Analysis**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature <b>4.1 °C</b>
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:

## **APPENDIX G**

IEPA approved Comprehensive No Further Action Required (NFR) letter, issued June 17, 2019



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

217/524-3300

June 17, 2019

CERTIFIED MAIL

7018 1830 0000 5288 5158

Bridge Development Partners  
Attn: Mark Houser  
1000 Irving Park Road, Suite 150  
Itasca, Illinois 60143

IEPA-DIVISION OF RECORDS MANAGEMENT  
RELEASABLE

Re: 0310965121/Cook County  
Franklin Park/Magellan Pipeline  
Site Remediation Program/Technical Reports  
No Further Remediation Letter

AUG 12 2019

REVIEWER: MJK

Dear Mr. Houser:

The *Remedial Action Completion Report* (received February 7, 2019/Log No. 19-68700) and the *Supplement to EGSL's February 1, 2019 RACR* (received May 30, 2019/Log No. 19-69413), as prepared by Environmental Group Services Limited (EGSL) for the above referenced Remediation Site, have been reviewed and approved by the Illinois Environmental Protection Agency ("Illinois EPA"). These Reports demonstrate the remediation objectives approved for the site, in accordance with 35 Illinois Administrative Code Part 742 are above the existing concentrations of regulated substances and the remedial action was completed in accordance with the *Remedial Action Plan* (received August 15, 2017/Log No. 17-65297) and 35 Illinois Administrative Code Part 740.

The Remediation Site, consisting of 48 acres, is located at 10601 Franklin Avenue, Franklin Park, Illinois. Pursuant to Section 58.10 of the Illinois Environmental Protection Act ("Act") (415 ILCS 5/1 et seq.), your request for a no further remediation determination is granted under the conditions and terms specified in this letter. The Remediation Applicant, as identified on the Illinois EPA's Site Remediation Program DRM-1 Form (received July 26, 2017/Log No. 17-65156), is Bridge Development Partners.

This comprehensive No Further Remediation Letter ("Letter") signifies a release from further responsibilities under the Act for the performance of the approved remedial action. This Letter shall be considered prima facie evidence that the Remediation Site described in the attached Illinois EPA Site Remediation Program Environmental Notice and shown in the attached Site Base Map does not constitute a threat to human health and the environment and does not require further remediation under the Act if utilized in accordance with the terms of this Letter.

4302 N. Main Street, Rockford, IL 61103 (815) 987-7760  
595 S. State Street, Elgin, IL 60123 (847) 608-3131  
2125 S. First Street, Champaign, IL 61820 (217) 278-5800  
2009 Mall Street Collinsville, IL 62234 (618) 346-5120

9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000  
412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022  
2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200  
100 W. Randolph Street, Suite 4-500, Chicago, IL 60601

## **Conditions and Terms of Approval**

### **Level of Remediation and Land Use Limitations**

- 1) The Remediation Site is restricted to industrial/commercial land use.
- 2) The land use specified in this Letter may be revised if:
  - a) Further investigation or remedial action has been conducted that documents the attainment of objectives appropriate for the new land use; and
  - b) A new Letter is obtained and recorded in accordance with Title XVII of the Act and regulations adopted thereunder.

### **Preventive, Engineering, and Institutional Controls**

The implementation and maintenance of the following controls are required as part of the approval of the remediation objectives for this Remediation Site.

#### **Preventive Controls:**

- 3) At a minimum, a safety plan should be developed to address possible worker exposure in the event that any future excavation and construction activities may occur within the contaminated soil. Any excavation within the contaminated soil will require implementation of a safety plan consistent with NIOSH Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, OSHA regulations (particularly in 29 CFR 1910 and 1926), state and local regulations, and other USEPA guidance. Soil excavated below must be returned to the same depth from which it was excavated or properly managed or disposed in accordance with applicable state and federal regulations.

#### **Engineering Controls:**

- 4) The asphalt barrier, as shown on the attached Site Base Map, must remain over the contaminated soils. This asphalt barrier must be properly maintained as an engineered barrier to inhibit inhalation and ingestion of the contaminated media.
- 5) The concrete cap barrier, as shown on the attached Site Base Map, must remain over the contaminated soils. This concrete cap barrier must be properly maintained as an engineered barrier to inhibit inhalation and ingestion of the contaminated media.
- 6) The concrete slab of the building, as shown on the attached Site Base Map, must remain over the contaminated soils. This concrete slab must be properly maintained as an engineered barrier to inhibit inhalation and ingestion of the contaminated media.

- 7) The alternative engineered barrier, which is comprised of 18 inches of clean soil over a Mirafi 180N geotextile in the areas shown on the attached Site Base Map, must remain over the contaminated soils. This alternative engineered barrier must be properly maintained as an engineered barrier to inhibit ingestion of the contaminated media.

Institutional Controls:

- 8) Any existing buildings or any future buildings constructed on the site must contain a full concrete slab-on-grade floor or full concrete basement floor and walls with no sumps.
- 9) No person shall construct, install, maintain, or operate a well at the Remediation Site. All water supplies and water services for the Remediation Site must be obtained from a public water supply system. The provisions of this institutional control shall be applicable to all water usage (e.g., domestic, industrial/commercial uses and outdoor watering).

Other Terms

- 10) Where the Remediation Applicant is not the sole owner of the Remediation Site, the Remediation Applicant shall complete the attached *Property Owner Certification of the No Further Remediation Letter under the Site Remediation Program* Form. This certification, by original signature of each property owner, or the authorized agent of the owner(s), of the Remediation Site or any portion thereof who is not a Remediation Applicant shall be recorded along with this Letter.
- 11) Further information regarding this Remediation Site can be obtained through a written request under the Freedom of Information Act (5 ILCS 140) to:

Illinois Environmental Protection Agency  
Attn: Freedom of Information Act Officer  
Division of Records Management #16  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

- 12) Pursuant to Section 58.10(f) of the Act (415 ILCS 5/58.10(f)), should the Illinois EPA seek to void this Letter, the Illinois EPA shall provide notice to the current title holder and to the Remediation Applicant at the last known address. The notice shall specify the cause for the voidance, explain the provisions for appeal, and describe the facts in support of this cause. Specific acts or omissions that may result in the voidance of the Letter under Sections 58.10(e)(1)-(7) of the Act (415 ILCS 5/58.10(e)(1)-(7)) include, but shall not be limited to:
  - a) Any violation of institutional controls or the designated land use restrictions;
  - b) The failure to operate and maintain preventive or engineering controls or to comply with any applicable groundwater monitoring plan;



- c) The disturbance or removal of contamination that has been left in-place in accordance with the Remedial Action Plan. Access to soil contamination may be allowed if, during and after any access, public health and the environment are protected consistent with the Remedial Action Plan;
- d) The failure to comply with the recording requirements for this Letter;
- e) Obtaining the Letter by fraud or misrepresentation;
- f) Subsequent discovery of contaminants, not identified as part of the investigative or remedial activities upon which the issuance of the Letter was based, that pose a threat to human health or the environment;
- g) The failure to pay the No Further Remediation Assessment Fee within forty-five (45) days after receiving a request for payment from the Illinois EPA;
- h) The failure to pay in full the applicable fees under the Review and Evaluation Services Agreement within forty-five (45) days after receiving a request for payment from the Illinois EPA.

13) Pursuant to Section 58.10(d) of the Act, this Letter shall apply in favor of the following persons:

- a) Bridge Development Partners;
- b) The owner and operator of the Remediation Site;
- c) Any parent corporation or subsidiary of the owner of the Remediation Site;
- d) Any co-owner, either by joint-tenancy, right of survivorship, or any other party sharing a relationship with the owner of the Remediation Site;
- e) Any holder of a beneficial interest of a land trust or inter vivos trust, whether revocable or irrevocable, involving the Remediation Site;
- f) Any mortgagee or trustee of a deed of trust of the owner of the Remediation Site or any assignee, transferee, or any successor-in-interest thereto;
- g) Any successor-in-interest of the owner of the Remediation Site;
- h) Any transferee of the owner of the Remediation Site whether the transfer was by sale, bankruptcy proceeding, partition, dissolution of marriage, settlement or adjudication of any civil action, charitable gift, or bequest;
- i) Any heir or devisee of the owner of the Remediation Site;

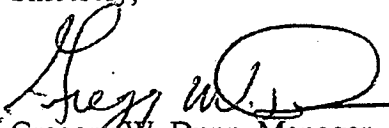
- j) Any financial institution, as that term is defined in Section 2 of the Illinois Banking Act and to include the Illinois Housing Development Authority, that has acquired the ownership, operation, management, or control of the Remediation Site through foreclosure or under the terms of a security interest held by the financial institution, under the terms of an extension of credit made by the financial institution, or any successor-in-interest thereto; or
- k) In the case of a fiduciary (other than a land trustee), the estate, trust estate, or other interest in property held in a fiduciary capacity, and a trustee, executor, administrator, guardian, receiver, conservator, or other person who holds the remediated site in a fiduciary capacity, or a transferee of such party.
- 14) This letter, including all attachments, must be recorded as a single instrument within forty-five (45) days of receipt with the Office of the Recorder of Cook County. For recording purposes, the Illinois EPA Site Remediation Program Environmental Notice attached to this Letter should be the first page of the instrument filed. This Letter shall not be effective until officially recorded by the Office of the Recorder of Cook County in accordance with Illinois law so that it forms a permanent part of the chain of title for the Magellan Pipeline property.
- 15) Within thirty (30) days of this Letter being recorded by the Office of the Recorder of Cook County, a certified copy of this Letter, as recorded, shall be obtained and submitted to the Illinois EPA to:

Mr. Jim Scott  
Illinois Environmental Protection Agency  
Bureau of Land/RPMS #24  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

- 16) In accordance with Section 58.10(g) of the Act, a No Further Remediation Assessment Fee based on the costs incurred for the Remediation Site by the Illinois EPA for review and evaluation services will be applied in addition to the fees applicable under the Review and Evaluation Services Agreement. Request for payment of the No Further Remediation Assessment Fee will be included with the billing statement.

If you have any questions regarding the Magellan Pipeline property, you may contact the Illinois EPA project manager, Andrew Catlin at 217-524-3290.

Sincerely,

  
Gregory W. Dunn, Manager  
Remedial Project Management Section  
Division of Remediation Management  
Bureau of Land

Attachments: Illinois EPA Site Remediation Program Environmental Notice  
Site Base Map  
Property Owner Certification of No Further Remediation Letter under the  
Site Remediation Program Form  
Instructions for Filing the NFR Letter

cc: Magellan Pipeline Company, L.P.  
Attn: Melanie Little  
One Williams Center MD 28  
Tulsa, OK 74172

EGSL  
Attn: Bill Lennon  
bill@EGSL.com

Bureau of Land File  
Mr. Jim Scott

PREPARED BY:

Mark Houser  
Bridge Development Partners  
1000 Irving Park Rd., Suite 150  
Itasca, IL 60143

RETURN TO:

Mark Houser  
Bridge Development Partners  
1000 Irving Park Rd., Suite 150  
Itasca, IL 60143

**THE ABOVE SPACE FOR RECORDER'S OFFICE**

This Environmental No Further Remediation Letter must be submitted by the remediation applicant within 45 days of its receipt, to the Office of the Recorder of Cook County.

Illinois State EPA Number: 0310965121

Bridge Development Partners, the Remediation Applicant, whose address is 1000 Irving Park Rd., Suite 150, Itasca, IL 60143 has performed investigative and/or remedial activities for the remediation site depicted on the attached Site Base Map and identified by the following:

1. Legal description or Reference to a Plat Showing the Boundaries:

**LOT 1 – BRIDGE POINT FRANKLIN PARK SUBDIVISION LEGAL DESCRIPTION**

LOT 1 IN BRIDGE POINT FRANKLIN PARK SUBDIVISION, BEING A SUBDIVISION OF PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 25, 2018 AS DOCUMENT 1820619201, IN COOK COUNTY, ILLINOIS.

ALSO DESCRIBED AS FOLLOWS:

THAT PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 1 IN LAPHROP STAR SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 24, 1997 AS DOCUMENT 9779220 BEING ALSO A POINT ON THE SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE AS DEDICATED PER DOCUMENT 17808231; THENCE ALONG THE WESTERLY LINE OF LOT 1 AND LOT 2 IN SAID LAPHROP STAR SUBDIVISION FOR THE FOLLOWING 3 COURSES: 1) THENCE SOUTH 16 DEGREES 15 MINUTES 39 SECONDS WEST, A DISTANCE OF 105.15 FEET; 2) THENCE SOUTH 36 DEGREES 51 MINUTES 19 SECONDS WEST, A DISTANCE OF 158.52 FEET; 3) THENCE SOUTH 02 DEGREES 10 MINUTES 19 SECONDS EAST, A DISTANCE OF 635.66 FEET TO THE NORTH LINE OF THE SOUTH 13 ACRES OF THE SOUTHEAST QUARTER OF SAID SOUTHEAST QUARTER AS MONUMENTED AND OCCUPIED; THENCE SOUTH 88 DEGREES 27 MINUTES 38 SECONDS WEST ALONG SAID NORTH LINE, A DISTANCE OF 490.09 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 07 SECONDS EAST, A DISTANCE OF 860.53 FEET TO THE SOUTH RIGHT-OF-WAY OF SAID FRANKLIN AVENUE; THENCE NORTH 88 DEGREES 29 MINUTES 01 SECONDS EAST, A DISTANCE OF 590.53 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

CONTAINING 425,370 SQUARE FEET OR 9.765 ACRES MORE OR LESS.

**LOT 2 – BRIDGE POINT FRANKLIN PARK SUBDIVISION LEGAL DESCRIPTION**

LOT 2 IN BRIDGE POINT FRANKLIN PARK SUBDIVISION, BEING A SUBDIVISION OF PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 25, 2018 AS DOCUMENT 1820619201, IN COOK COUNTY, ILLINOIS.

ALSO DESCRIBED AS FOLLOWS:

THAT PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 1 IN LAPHROP STAR SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 24, 1997 AS DOCUMENT 9779220 BEING ALSO A POINT ON THE SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE AS DEDICATED PER DOCUMENT 17808231; THENCE SOUTH 88 DEGREES 29 MINUTES 01 SECONDS WEST ALONG SAID SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE, A DISTANCE OF 590.53 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 00 DEGREES 00 MINUTES 07 SECONDS WEST, A DISTANCE OF 860.53 FEET TO THE NORTH LINE OF THE SOUTH 13 ACRES OF THE SOUTHEAST QUARTER OF SAID SOUTHEAST QUARTER AS MONUMENTED AND OCCUPIED; THENCE SOUTH 88 DEGREES 27 MINUTES 38 SECONDS WEST ALONG SAID NORTH LINE, A DISTANCE OF 27.35 FEET TO THE WEST LINE OF THE SOUTHEAST QUARTER OF SAID SOUTHEAST QUARTER AS MONUMENTED AND OCCUPIED; THENCE SOUTH 02 DEGREES 03 MINUTES 52 SECONDS EAST ALONG SAID WEST LINE, A DISTANCE OF 428.55 FEET TO SOUTH LINE OF SAID SOUTHEAST QUARTER BEING ALSO THE NORTH RIGHT-OF-WAY OF BELMONT AVENUE AS MONUMENTED AND OCCUPIED; THENCE SOUTH 88 DEGREES 30 MINUTES 32 SECONDS WEST ALONG SAID SOUTH LINE, A DISTANCE OF 634.11 FEET; THENCE NORTH 00 DEGREES 31 MINUTES 23 SECONDS WEST, A DISTANCE OF 45.45 FEET TO A TANGENT CURVE; THENCE NORTHERLY ALONG SAID TANGENT CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 67.50 FEET SUBTENDING A CHORD BEARING NORTH 05 DEGREES 57 MINUTES 57 SECONDS WEST, AN ARC DISTANCE OF 15.29 FEET TO A RADIAL CURVE; THENCE NORTHERLY ALONG SAID RADIAL CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 169.00 FEET SUBTENDING A CHORD BEARING NORTH 22 DEGREES 07 MINUTES 47 SECONDS EAST, AN ARC DISTANCE OF 57.07 FEET TO A POINT OF REVERSE CURVATURE; THENCE NORTHERLY ALONG SAID REVERSE CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 243.00 FEET SUBTENDING A CHORD BEARING NORTH 15 DEGREES 54 MINUTES 09 SECONDS EAST, AN ARC DISTANCE OF 134.89 FEET TO A TANGENT LINE; THENCE NORTH 00 DEGREES 00 MINUTES 02 SECONDS EAST, A DISTANCE OF 1066.47 FEET; THENCE NORTH 89 DEGREES 09 MINUTES 32 SECONDS EAST, A DISTANCE OF 365.93 FEET TO SAID SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE BEING A POINT ON A CURVE; THENCE EASTERLY ALONG SAID CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 1519.41 FEET SUBTENDING A CHORD BEARING SOUTH 87 DEGREES 46 MINUTES 27 SECONDS EAST, AN ARC DISTANCE OF 198.49 FEET TO A TANGENT LINE; THENCE NORTH 88 DEGREES 29 MINUTES 01 SECONDS EAST ALONG SAID TANGENT LINE BEING ALSO SAID SOUTHERLY RIGHT-OF-WAY LINE OF FRANKLIN AVENUE, A DISTANCE OF 22.67 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

CONTAINING 761,961 SQUARE FEET OR 17.492 ACRES MORE OR LESS.

**LOT 3 – BRIDGE POINT FRANKLIN PARK SUBDIVISION LEGAL DESCRIPTION**

LOT 3 IN BRIDGE POINT FRANKLIN PARK SUBDIVISION, BEING A SUBDIVISION OF PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 25, 2018 AS DOCUMENT 1820619201, IN COOK COUNTY, ILLINOIS.

ALSO DESCRIBED AS FOLLOWS:

THAT PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 1 IN LAPHROP STAR SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 24, 1997 AS DOCUMENT 9779220 BEING ALSO A POINT ON THE SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE AS DEDICATED PER DOCUMENT 17808231; THENCE

SOUTH 88 DEGREES 29 MINUTES 01 SECONDS WEST ALONG SAID SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE, A DISTANCE OF 613.20 FEET TO A POINT OF CURVATURE; THENCE WESTERLY ALONG SAID CURVE BEING THE SAID SOUTHERLY RIGHT-OF WAY CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 1519.41 FEET SUBTENDING A CHORD BEARING NORTH 87 DEGREES 46 MINUTES 27 SECONDS WEST, AN ARC DISTANCE OF 198.49 FEET TO A NON-TANGENT LINE; THENCE SOUTH 89 DEGREES 09 MINUTES 32 SECONDS WEST, A DISTANCE OF 365.93 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 00 DEGREES 00 MINUTES 02 SECONDS WEST, A DISTANCE OF 1066.47 FEET TO A TANGENT CURVE; THENCE SOUTHERLY ALONG SAID TANGENT CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 243.00 FEET SUBTENDING A CHORD BEARING SOUTH 15 DEGREES 54 MINUTES 09 SECONDS WEST, AN ARC DISTANCE OF 134.89 FEET TO A REVERSE CURVE; THENCE SOUTHERLY ALONG SAID REVERSE CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 169.00 FEET SUBTENDING A CHORD BEARING SOUTH 22 DEGREES 07 MINUTES 47 SECONDS WEST, AN ARC DISTANCE OF 57.07 FEET TO A COMPOUND CURVE; THENCE SOUTHERLY ALONG SAID COMPOUND CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 67.50 FEET SUBTENDING A CHORD BEARING SOUTH 05 DEGREES 57 MINUTES 57 SECONDS WEST, AN ARC DISTANCE OF 15.29 FEET TO A TANGENT LINE; THENCE SOUTH 00 DEGREES 31 MINUTES 35 SECONDS EAST, A DISTANCE OF 45.45 FEET TO THE SOUTH LINE OF SAID SOUTHEAST QUARTER BEING ALSO THE NORTH RIGHT-OF-WAY OF BELMONT AVENUE AS MONUMENTED AND OCCUPIED; THENCE SOUTH 88 DEGREES 30 MINUTES 32 SECONDS WEST ALONG SAID SOUTH LINE, A DISTANCE OF 319.67 FEET; THENCE NORTH 61 DEGREES 01 MINUTES 35 SECONDS WEST, A DISTANCE OF 65.09 FEET; THENCE NORTH 50 DEGREES 48 MINUTES 22 SECONDS WEST, A DISTANCE OF 88.95 FEET; THENCE NORTH 02 DEGREES 44 MINUTES 51 SECONDS WEST, A DISTANCE OF 158.10 FEET; THENCE NORTH 07 DEGREES 18 MINUTES 42 SECONDS WEST, A DISTANCE OF 105.65 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 07 SECONDS EAST, A DISTANCE OF 237.29 FEET TO A TANGENT CURVE; THENCE NORTHWESTERLY ALONG SAID CURVE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 18.50 FEET SUBTENDING A CHORD BEARING NORTH 44 DEGREES 59 MINUTES 53 SECONDS WEST, AN ARC DISTANCE OF 29.06 FEET TO A TANGENT LINE; THENCE NORTH 89 DEGREES 59 MINUTES 53 SECONDS WEST, A DISTANCE OF 36.48 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS WEST, A DISTANCE OF 701.33 FEET; THENCE NORTH 89 DEGREES 09 MINUTES 32 SECONDS EAST, A DISTANCE OF 580.56 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

CONTAINING 708,485 SQUARE FEET OR 16.265 ACRES MORE OR LESS.

**OUTLOT A – BRIDGE POINT FRANKLIN PARK SUBDIVISION LEGAL DESCRIPTION**

OUTLOT A IN BRIDGE POINT FRANKLIN PARK SUBDIVISION, BEING A SUBDIVISION OF PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JULY 25, 2018 AS DOCUMENT 1820619201, IN COOK COUNTY, ILLINOIS.

ALSO DESCRIBED AS FOLLOWS:

THAT PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 1 IN LAPHROP STAR SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 24, 1997 AS DOCUMENT 9779220 BEING ALSO A POINT ON THE SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE AS DEDICATED PER DOCUMENT 17808231; THENCE SOUTH 88 DEGREES 29 MINUTES 01 SECONDS WEST ALONG SAID SOUTHERLY RIGHT-OF-WAY OF FRANKLIN AVENUE, A DISTANCE OF 613.20 FEET TO A POINT OF CURVATURE; THENCE WESTERLY ALONG SAID CURVE BEING THE SAID SOUTHERLY RIGHT-OF WAY CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 1519.41 FEET SUBTENDING A CHORD BEARING NORTH 87 DEGREES 46 MINUTES 27 SECONDS WEST, AN ARC DISTANCE OF 198.49 FEET TO A NON-TANGENT LINE; THENCE SOUTH 89 DEGREES 09 MINUTES 32 SECONDS WEST, A DISTANCE OF 942.49 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST, A DISTANCE OF 701.33 FEET; THENCE SOUTH 89 DEGREES 59 MINUTES 53 SECONDS EAST, A DISTANCE OF 32.48 FEET TO A TANGENT CURVE; THENCE SOUTHEASTERLY ALONG SAID CURVE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 18.50 FEET SUBTENDING A CHORD BEARING SOUTH 44 DEGREES 59 MINUTES 53 SECONDS EAST, AN ARC DISTANCE OF 29.06 FEET TO A TANGENT LINE; THENCE SOUTH 00 DEGREES 00 MINUTES 07 SECONDS WEST, A DISTANCE OF 237.29 FEET; THENCE SOUTH 07 DEGREES 18 MINUTES 42 SECONDS EAST, A DISTANCE OF 105.65 FEET; THENCE SOUTH 02 DEGREES 44 MINUTES 51 SECONDS EAST, A DISTANCE OF 158.10 FEET; THENCE SOUTH 50 DEGREES 48 MINUTES 22 SECONDS EAST, A DISTANCE OF 88.95 FEET; THENCE SOUTH 61 DEGREES 01 MINUTES 35 SECONDS EAST, A DISTANCE OF 65.09 FEET TO THE SOUTH LINE OF SAID

SOUTHEAST QUARTER BEING ALSO THE NORTH RIGHT-OF-WAY OF BELMONT AVENUE AS MONUMENTED AND OCCUPIED; THENCE SOUTH 88 DEGREES 30 MINUTES 32 SECONDS WEST ALONG SAID SOUTH LINE, A DISTANCE OF 100.00 FEET TO A NON-TANGENT CURVE; THENCE NORTHWESTERLY ALONG A CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 397.78 FEET SUBTENDING A CHORD BEARING NORTH 54 DEGREES 16 MINUTES 44 SECONDS WEST, AN ARC DISTANCE OF 141.99 FEET TO A NON-TANGENT LINE; THENCE NORTH 40 DEGREES 40 MINUTES 30 SECONDS WEST, A DISTANCE OF 78.95 FEET TO A NON-TANGENT CURE; THENCE NORTHERLY ALONG SAID CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 553.70 FEET SUBTENDING A CHORD BEARING NORTH 16 DEGREES 22 MINUTES 04 SECONDS WEST, AN ARC DISTANCE OF 274.18 FEET TO A NON-TANGENT LINE; THENCE NORTH 02 DEGREES 10 MINUTES 11 SECONDS WEST, A DISTANCE OF 555.95 FEET TO A NON-TANGENT CURVE; THENCE NORTHEASTERLY ALONG SAID CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 439.28 FEET SUBTENDING A CHORD BEARING NORTH 23 DEGREES 44 MINUTES 52 SECONDS EAST, AN ARC DISTANCE OF 397.79 FEET TO A NON-TANGENT LINE; THENCE NORTH 89 DEGREES 09 MINUTES 32 SECONDS EAST, A DISTANCE OF 0.97 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

CONTAINING 198,040 SQUARE FEET 4.546 ACRES MORE OR LESS.

2. Common Address: 10601 Franklin Avenue, Franklin Park, IL
3. Real Estate Tax Index/Parcel Index Number: 12-20-401-020
4. Remediation Site Owner: Magellan Pipeline Company, L.P.  
One Williams Center MD 28  
Tulsa, OK 74172
5. Land Use: Industrial/Commercial
6. Site Investigation: Comprehensive

See NFR letter for other terms.

**(Illinois EPA Site Remediation Program Environmental Notice)**



- Legend:
- Remediation Site Boundary
  - Engineered Barrier
  - Concrete Building Foundation
  - Engineered Barrier Asphalt/Concrete Pavement
  - Engineered Barrier 1.5' Clean Fill Underlain by Matri 180N

Subject Property:  
10601 Franklin Ave  
Franklin Park, IL

EGSL Project No.  
1703287

Drawing Title  
SITE BASE MAP

Date  
04/24/2019

Scale:  
0' 240'  
1"=240'



Site Base Map  
0310965121/Cook County  
Franklin Park/Magellan Pipeline  
Site Remediation Technical Reports

REMEDIAION  
SITE BOUNDARY

Franklin Avenue

REMEDIAION  
SITE BOUNDARY

Entire Site Subject To:

- Groundwater Use Restriction
- Industrial/Commercial Use Restriction
- Engineered Barriers
- Building Restriction - Slab-on-grade with no sumps

REMEDIAION  
SITE BOUNDARY

Belmont Avenue

Silver Creek

REMEDIAION  
SITE BOUNDARY



**PROPERTY OWNER CERTIFICATION OF THE NFR LETTER  
UNDER THE SITE REMEDIATION PROGRAM**

Where the Remediation Applicant (RA) is not the sole owner of the remediation site, the RA shall obtain the certification by original signature of each owner, or authorized agent of the owner(s), of the remediation site or any portion thereof who is not an RA. The property owner(s), or the duly authorized agent of the owner(s) must certify, by original signature, the statement appearing below. This certification shall be recorded in accordance with Illinois Administrative Code 740.620.

Include the full legal name, title, the company, the street address, the city, the state, the ZIP code, and the telephone number of all other property owners. Include the site name, street address, city, ZIP code, county, Illinois inventory identification number and real estate tax index/parcel index number.

A duly authorized agent means a person who is authorized by written consent or by law to act on behalf of a property owner including, but not limited to:

1. For corporations, a principal executive officer of at least the level of vice-president;
2. For a sole proprietorship or partnership, the proprietor or a general partner, respectively; and
3. For a municipality, state or other public agency, the head of the agency or ranking elected official.

For multiple property owners, attach additional sheets containing the information described above, along with a signed, dated certification for each. All property owner certifications must be recorded along with the attached NFR letter.

<b>Property Owner Information</b>
Owner's Name: _____
Title: _____
Company: _____
Street Address: _____
City: _____ State: _____ Zip Code: _____ Phone: _____
<b>Site Information</b>
Site Name: _____
Site Address: _____
City: _____ State: _____ Zip Code: _____ County: _____
Illinois inventory identification number: _____
Real Estate Tax Index/Parcel Index No. _____
I hereby certify that I have reviewed the attached No Further Remediation Letter and that I accept the terms and conditions and any land use limitations set forth in the letter.
Owner's Signature: _____ Date: _____
SUBSCRIBED AND SWORN TO BEFORE ME this _____ day of _____, 20__
_____ Notary Public

The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. If the Remediation Applicant is not also the sole owner of the remediation site, this form must be completed by all owners of the remediation site and recorded with the NFR Letter. Failure to do so may void the NFR Letter. This form has been approved by the Forms Management Center. All information submitted to the Site Remediation Program is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines.

## Notice to Remediation Applicant

**Please follow these instructions when filing the NFR letter with the County Recorder's Office**

### **Instructions for Filing the NFR Letter**

The following documents must be filed:

- A. Body of the NFR Letter (contains appropriate terms and conditions, tables, etc.)
  - B. Attachments to NFR letter
    - Illinois EPA Site Remediation Program Environmental Notice (Legal Description and PIN of property)
    - Maps of the site
    - Table A: Regulated Substances of Concern (if applicable.)
    - Property Owner Certification.
  - C. A copy of the ordinance, if applicable, used to address groundwater contamination
1. Place the Illinois EPA Site Remediation Program Environmental Notice on top of the NFR prior to giving it to the Recorder.
  2. If you are not the owner (record title holder) of the property on the date of filing of this NFR, you must attach a **completed** owner's certification form signed by the owner of the property at the time of filing (e.g., if the property recently sold, the new owner must sign).
  3. If any of the terms and conditions of the NFR letter references a groundwater ordinance, you must record a copy of the groundwater ordinance with the NFR letter.
  4. If any of the terms and conditions of the NFR letter references a highway agreement, you must record the highway agreement if specifically required by the municipality granting the agreement, the County or the Illinois Department of Transportation.
  5. Within thirty (30) days of this NFR Letter being recorded by the Office of the Recorder of the County in which the property is located, a certified copy of this Letter, as recorded, shall be obtained and submitted to the Illinois EPA to:

Jim Scott  
Illinois Environmental Protection Agency  
Bureau of Land/RPMS  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, IL 62794-9276

6. **Remove this page from the NFR letter, prior to recording.**

If you have any questions call (217) 524-6940 and speak with the "project manager on-call" in the Site Remediation Program.

U.S. Postal Service™

CERTIFIED MAIL® RECEIPT

Domestic Mail Only

24 Rms  
JG

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

OFFICIAL USE

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees

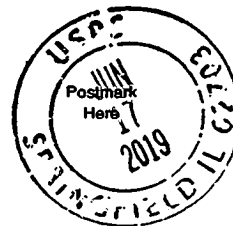
\$

Bridge Development Partners

Attn: Mark Houser

1000 Irving Park Rd., Suite 150

Itasca, Illinois 60143



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Rms
- Print your name and address on the reverse so that we can return the card to you. JG
- Attach this card to the back of the mailpiece, or on the front if space permits. 24

1. Article Addressed to:

Bridge Development Partners  
Attn: Mark Houser  
1000 Irving Park Rd., Suite 150  
Itasca, Illinois 60143



9590 9402 3341 7227 8478 93

2. Article Number (Transfer from service label)

7018 1830 0000 5288 5158

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

*[Handwritten Signature]*

- ☐ Agent  
☐ Addressee

B. Received by (Printed Name)

MARK CHRISTENSEN

C. Date of Delivery

6-20

- D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature  
☐ Adult Signature Restricted Delivery  
☒ Certified Mail®

- ☐ Certified Mail Restricted Delivery  
☐ Collect on Delivery  
☐ Collect on Delivery Restricted Delivery  
☐ Insured Mail  
☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®  
☐ Registered Mail™  
☐ Registered Mail Restricted Delivery  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation™  
☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

**United States  
Postal Service**

• Sender: Please print your name, address, and ZIP+4® in this box •

**Illinois Environmental  
Protection Agency  
P.O. Box 19276 – Mail Code 24  
Springfield, IL 62794-9276**

